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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XIII,

NEW YORK, AUGUST 15, 1923

No. 7

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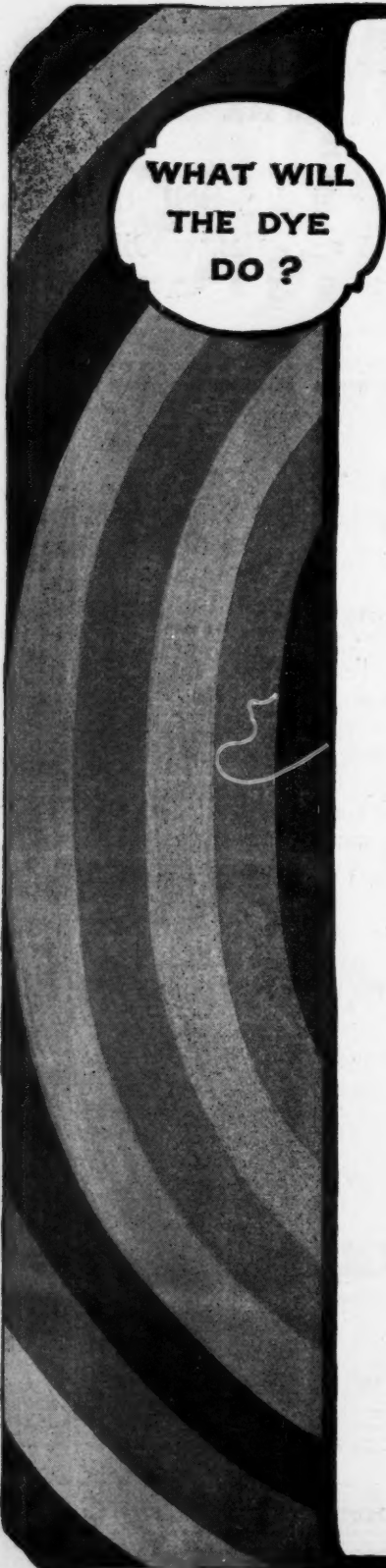
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In This Issue { *Chemical Exports Show Big Gains
When a Chemical Patent Is Void*



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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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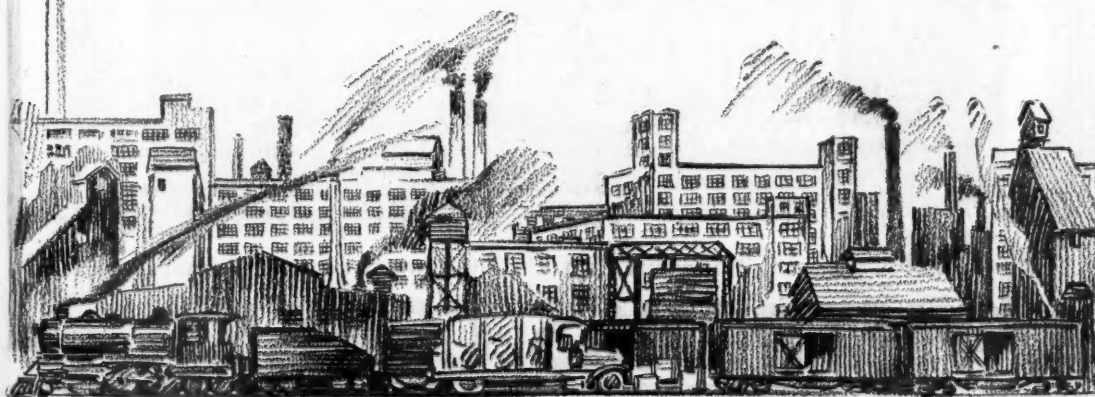
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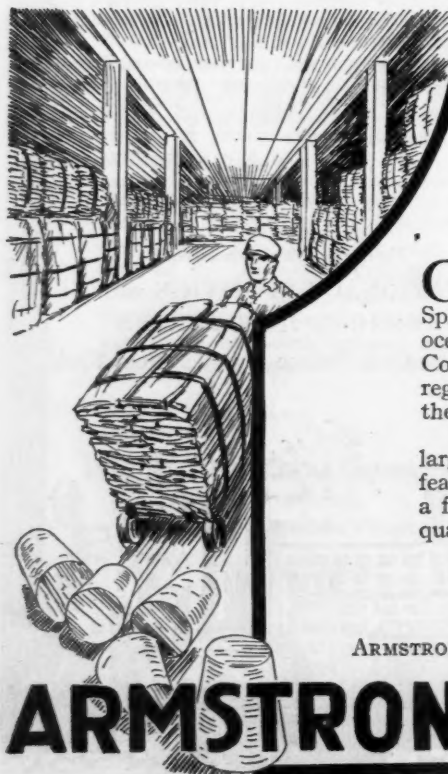
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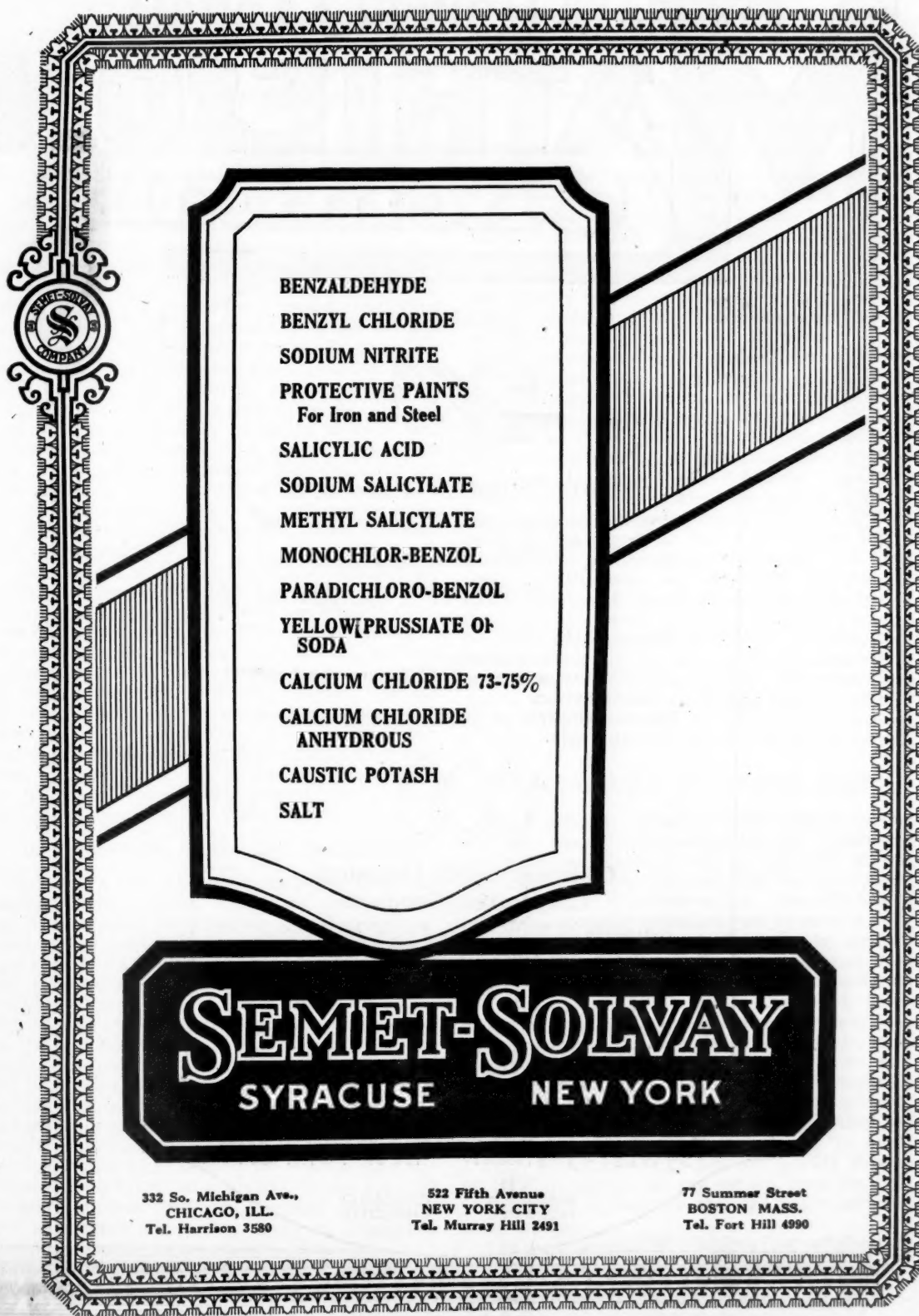
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 7

[August 15, 1922]

DECLARE CHEMICAL PATENT VOID

Manufacturers of chemicals and rubber goods will read with interest the decision of the U. S. Circuit Court of Appeals in a patent suit over diphenylguanidine used as an accelerator in the rubber industry. The lower court upheld the Weiss patent. On appeal the judges of the Circuit Court decided that the publication of the use and process in a chemical paper by G. D. Kratz, in September, 1919, preceding the application for a patent by Weiss, nullified his claims. Kratz had experimented with diphenylguanidine in 1919 and had made inner tubes in which the chemical was used as an accelerator in 1917, several years before the Weiss patent was issued. Manufacturers are not protected in patent rights for processes that are public property before any attempt is made to obtain a patent. In other words, such processes are not patentable.

The decision of the appellate court was not unanimous, however, one judge dissenting. It would appear that the question of fact regarding the success of the experiments by Kratz and his associates entered into the question very largely, and the differing views were due, probably, to a divergent interpretation of the evidence presented. An analysis of the evidence convinced the lower court that the Weiss patent was justified. The higher court, two judges agreeing, found reason to believe that the use of D. P. G., as the chemical is called in the trade, was common property for at least two years preceding the Weiss patent.

U. S. FOREIGN TRADE IN CHEMICALS

June was a record month in exports of chemicals, surpassing the previous high mark made in May by three-quarters of a million in value, and exceeding the foreign trade in chemicals for June, last year, by \$4,250,000. When it is considered that the value of the chemical exports of the United States for six months of this year exceeded \$75,000,000, one realizes the importance of the industry to the economic welfare of the country. Employment of thousands of skilled and unskilled workers, the production of medicinals to preserve the public health, the manufacture of dyes for the many industries heretofore dependent upon foreign products, the possibility of making explosives and gases in dye plants when needed for defense, and the never failing output of acids and alkalis essential to nearly all manufacturing processes are some of the advantages which flow from an established chemical industry in its multiple lines.

It is significant that the greatest increase in

exports this year was recorded in coal-tar products. Benzol and aniline oil shipments in six months surpassed in value and quantity the exports for the entire year 1922. The deduction is logical that American products made from coal-tar are able to compete in foreign markets, and furthermore that the industry has expanded sufficiently to ensure the independence of the United States in time of war in the matter of colors and explosives.

Some vagaries are shown in the statistics. Sales of coal-tar medicinals from January to June, this year, for export, were only one-half the amount for the January-June period, 1922. While advances occurred in all other acids and hydrides, sulfuric and boric acids failed to reach the export figures of last year by nearly 6,000,000 pounds. American photographic chemicals also were less in demand abroad. Calcium carbide, copper sulfate, and glycerin exports increased. Sodas and sodium, compounds were in slightly better demand with few exceptions. Caustic soda shipments dropped off one-third in quantity. Fertilizers sold more freely for export this year. American perfumery manufacturers are expanding their trade overseas, and makers of paint pigments are also finding world markets for their surplus output. The report indicates that United States foreign trade in chemicals is improving steadily and there is every reason to believe that conditions in the industry are sound.

OBJECTIONABLE INSECTICIDE BILLS

In the effort to protect farmers against worthless boll weevil preparations Georgia legislators have introduced several bills so carelessly drawn that they would seriously handicap the insecticide business should they become law. One bill has a provision requiring manufacturers to print a full list of ingredients on insecticide labels. By strenuous efforts on the part of the Insecticide and Disinfectant Manufacturers Association an amendment to the bill specifies that the act shall apply only to insecticides used for agricultural or horticultural purposes. This amendment is only fair, considering the purpose of the bill, but there are other objectionable features. It is not incumbent upon state legislatures to pass laws to protect farmers against every possible fraud that may be devised, from patent clothes wringers to gold bricks. The farmer of today can quickly obtain reliable information on any subject from the Department of Agriculture and the State agricultural colleges.

Another Georgia bill requires the affixing of stamps ranging in value from 2 to 5 cents on all

packages of insecticides and fungicides "for whatever purposes," and registration with a State bureau, involving a fee of \$25. By hedging business around with petty details of this nature responsible firms are driven from the State, and the laws become a farce because they neither yield revenue of any consequence, nor protect the fool who buys everything offered him that glitters.

Michigan and Pennsylvania have passed anti-bribery laws which give promise of being deterrents to agents and dealers who have made a practice of tipping employees of customers in order to hold their trade. Strong features of both acts are the sections providing that no evidence shall be admissible in any proceeding that the acceptance of a commission is customary in the trade, and further that it shall not be a good plea to say that the testimony required of a witness may tend to incriminate him. The penalties imposed by both state laws are a fine of not more than \$500, or imprisonment for not more than one year, or both. A conviction or two may prove salutary by way of drawing attention to the new statutes. Pennsylvania makes the offense a misdemeanor, but Michigan declares it a felony.

The Cincinnati company which guarantees 48 weeks employment to workers who meet certain conditions has no labor troubles. The workers are represented by an Employees Conference Committee at all official meetings, having become stockholders by a partial payment plan, and all differences are settled without strikes or lockouts. The employees are contented because the pension and benefit plan protects them when ill or injured, and a life insurance policy, makes provision for the family. While many companies are working on similar lines, the stabilization of employment is new in most industries. It deserves a thorough trial.

An advertisement of a popular gum says it tends to keep people young. Perhaps that accounts for the million dollars spent weekly for gum, in the United States.

If the ingredients of bootleg liquors are as deadly as Roy A. Haynes says they are, this country will soon be depopulated.

Many Men: Many Minds

It is a puzzling question—how do they pay for the printing of German marks?—Exchange.

New York chemical companies receive some remarkable letters. Here is one given literally as to grammar and spelling: "i like to inform you that i due not make, bye, handle, tast, tuch, nor have ennything to due with filthy old cider, and its a wast of time and mony to further corespond."

What has the Chemical Foundation bought for its \$250,000? If the results of the lone experiments (with German patents) are general then the Foundation has

purchased the right to permit American industry to spend many times its investment to prove some of the 4,000 patents practicable. A pig in a poke would be a good gamble besides this.—Financial America.

The growing demand of the manufacturers of the country for material purchased in other parts of the world is illustrated by the latest import figures which indicate that the value of manufacturing material imported in the fiscal year which ended in June, 1923, aggregated nearly 2½ billion dollars, as against an annual average of less than a billion dollars in the years immediately preceding the war. While higher prices are in part responsible for this increase, it is quite apparent that the quantity of manufacturing material coming from abroad constantly increases.—National City Bank of New York.

The Editor's Correspondence

What a Salesman Should Know

Editor, DRUG & CHEMICAL MARKETS:

I have been much interested in the articles appearing in recent numbers of DRUG & CHEMICAL MARKETS under the caption "Technical Training and Salesmanship." During the eighteen years I have been in the chemical business I have seen many types of salesmen. Those who were the most successful were invariably able to represent their houses in an intelligent manner because of an intimate knowledge of the products they offered. Others, with a pleasing personality, knew so little of their line that they amounted to nothing more than order takers. I distinctly recall a salesman for one of the large chemical companies of the country who used to call at our offices some fifteen years ago. His concern was well and favorably known, but the salesman could give no information regarding any item on his list, other than the price. When pressed for data concerning any particular chemical he would reply that inasmuch as his house was so big you need not fear to purchase.

Another type of salesman I came across had evidently over-studied his line. He became so absorbed in the technical end of the business that he would talk "over the head" of the practical business man. He impressed one as knowing his line but lacked the ability to tell about it in terms the buyer could understand.

It is to be regretted that so many American business houses employ salesmen, give them a price list and an order book and send them out to get business, without more than a word concerning the line they are to represent. It is small wonder that such salesmen frequently draw upon the imagination and falsely claim many virtues which do not exist.

H. W. COLE, Vice President,
Baird & McGuire, Inc.

Holbrook, Mass., July 30.

About 30 per cent of the total zinc production of the country is used in oxides. The largest consumers are the tire and paint industries. About 45 per cent of the output, including pigments, is used by galvanizers. Zinc consumption by fabricators is greater than shipments by producers. This has caused an inroad on consumers' stocks, which are estimated to be adequate for 30 days. Lessened demand has caused slab zinc prices to ease, but the outlook for better business on the part of large zinc consumers, together with the curtailment of production in Tri-State district, justifies producers' belief that prices are not likely to go below present levels.

Chemical Exports Show Big Gains in 1923

Largest Increase Recorded in Coal-Tar Products—Value of Shipments for Six Months \$6,324,995—Other Chemical Exports Had an Aggregate Value of \$75,125,022—Sulfuric and Boric Acid Shipments Decline—Soda and Compounds About Equal to 1922 Exports—Sales of Sulfur Less Than in 1922

Favorable progress has been made in the foreign trade in chemicals and allied products during the first six months of 1923, further proof of the recovery made in 1922, and of the basically sound condition of the industry, says C. C. Concannon, chief, Chemical Division, Department of Commerce. Another feature of the industry during this period is the general advance in prices. The exports of chemicals and allied products for six months had an aggregate value of \$75,125,022, an increase of 21 per cent over the first six months of 1922, and 67 per cent of the total (\$112,836,432) for the twelve months of 1922. June, 1923, with a total valuation of \$14,120,320 has proved to be the record month surpassing the previous high mark made in May by \$754,748 and the figure for June, 1922 by \$4,253,185.

The foreign demand for coal-tar products recorded the biggest increase (68 per cent) of all the general groups, during the first half of 1923. The total exports of coal-tar products for the six months January-June, amounted to \$6,324,995, or 83 per cent of the total (\$7,629,327) for the twelve months of 1922. The figures, month by month, for all coal-tar chemicals exported in 1922 compared with 1923 were:

	1922	1923
January	\$546,234	\$ 640,758
February	338,629	986,545
March	925,468	1,133,815
April	827,496	1,098,615
May	586,730	1,270,611
June	549,899	1,194,651

Foreign sales of benzol gained 24 per cent in value from the corresponding period of 1922, and equalled 77 per cent of the value for the entire year of 1922. The shipments of aniline oil and salts amounting to 411,417 pounds, valued at \$73,716, for the first six months of 1923 grew 17 per cent in quantity and 53 per cent in value and surpassed the shipments of the complete year of 1922 by 69,597 pounds, valued at \$8,080, while naphthalene dropped 20 per cent in quantity and 15 per cent in value, but equalled 44 per cent of the quantity and 57 per cent of the value shipped during 1922.

Although lesser quantities of coal-tar colors, dyes and stains were shipped to foreign countries during June than during the previous months, the total for the half year of 1923 expanded over 200 per cent in quantity and 60 per cent in value compared with the first half of 1922 and were only slightly under the figures for the entire year of 1922. In the January-June, 1923 period, 8,289,136 pounds, valued at 2,709,742 were sent abroad. Foreign demand for American coal-tar medicinals for January-June 1923, was half that for January-June, 1922, and one third of the figure for the twelve months of 1922. During this period photographic chemicals also fell off, from 150,618 pounds, \$55,124, January-June 1922, to 129,089 pounds, \$45,728 for January-June, 1923.

Foreign sales of acids and anhydrides failed to reach the January-June, 1922, figure of 16,820,619 pounds, with a valuation of \$729,435, by 5,983,535 pounds, \$170,393, sharp declines having occurred in both sulfuric and

boric acids, while an advance appeared in "all other acids and anhydrides."

The outward movement of the trade in wood and denatured alcohol has been favorable, having more than doubled in the values sent abroad during the first half of 1923 compared with the first half of 1922, and having fallen short of the \$922,700 figure for the entire year of 1922 by \$120,463, or by less than one-seventh of the total for that year.

Among the heavy chemicals which showed expansions in 1922 and which have continued to gain in 1923, are ammonia and ammonium compounds, aluminum sulfate, baking powder, dextrin or British gum, and washing powder and fluid. Acetate of lime and bleaching powder have each advanced in value, but declined in tonnage. On the other hand during the first six months of 1922 rather large decreases were evident in the exports of calcium carbide, copper sulfate, and glycerin, all of which chemicals, however, had recorded increases during the year 1922. The exports of these chemicals for the first half of 1922 compared with the first half of 1923 were:

	January-June 1922	January-June 1923	January-June 1922	January-June 1923
	Pounds	Pounds	Value	Value
Ammonia	2,287,454	3,415,170	\$150,171	\$341,100
Aluminum sulfate	12,066,218	17,308,240	185,722	254,085
Baking powder	1,458,233	2,161,627	629,195	886,466
Acetate of lime	16,510,592	15,501,117	332,820	638,938
Calcium carbide	8,919,285	3,292,775	371,101	141,232
Bleaching powder	17,208,797	16,732,974	284,675	287,248
Copper sulfate	4,132,753	1,417,374	191,238	80,131
Dextrin	7,717,670	8,803,293	244,141	327,372
Formaldehyde	1,041,633	690,070	114,497	112,167
Glycerin	1,871,167	697,261	272,972	135,618
Potash bichromate	3,176,760	2,231,428	315,901	200,569
Potash, chlorate of	303,451	131,585	25,920	15,921
Washing powder	1,891,123	3,127,943	104,607	172,615

No significant changes were made in the foreign demand for sodas and sodium compounds as a group, during the periods under discussion, 203,819,410 pounds, valued at \$5,278,279 having been shipped abroad from January-June, 1923. Advances were made in all the individual items under this group except in exports of caustic soda, which dropped one-third from 89,607,806 pounds, \$3,302,943 in January-June, 1922 to 58,703,050 pounds, \$2,093,273, in January-June, 1923. Sodium cyanide rose from 1,642,113 pounds, with a value of \$121,586 in the first half of 1922, to 2,685,678 pounds, with a value of \$277,858 in the corresponding period of 1923; soda ash, from 14,121,207 pounds, \$320,271, to 14,350,720 pounds, \$340,959; sodium silicate, from 12,966,206 pounds, \$136,494 to 15,266,533 pounds, \$143,195; sal soda, from 5,288,204 pounds, \$87,327, to 6,010,714 pounds, \$87,589; and sodium bicarbonate from 7,810,526 pounds, \$173,772 to 8,803,387 pounds, \$203,378.

The big jump as registered in exports of borax for the year 1922 was again evident in the six months of 1923 although the rate of increase was reduced from 300 per cent to 210 per cent for quantity, and from 200 per cent to 139 per cent, in value, total shipments for the six months of 1923, having been 21,770,090 pounds, valued at \$880,447.

Foreign sales of sulfur declined from 255,675 tons, valued at \$3,754,366 in January-June 1922 period, to 243,511 tons, valued at \$3,644,599 January-June 1923.

The glass industry will be represented at the Chemical Exposition in September at the Grand Central Palace, in displays of finished bottles, jars, carboys, laboratory equipment, for the chemical consuming manufacturer, in addition to a full line of chemical raw materials for the glass manufacturer.

ALLIED CHEMICAL SUES TO VOID SALE OF STEEL AND TUBE CO. OF AMERICA

Files Suit in Chicago Federal Court—Requests Receiver for Tube Company Pending Suit—161,354 Shares of Tube Stock Owned by Semet-Solvay—Loss of \$4,000,000 as Result of Sale

(Special to DRUG & CHEMICAL MARKETS)

Chicago, Aug. 14.—Suit to invalidate the sale of the Steel & Tube Co. of America to the Youngstown Sheet & Tube Co., recently consummated, and to restrain the majority stockholders from distributing the proceeds of the sale to the stockholders, has been filed by the Allied Chemical & Dye Corp., of N. Y. in the U. S. Circuit Court. The petition also requests that a receiver be appointed to function pending the litigation.

The suit is brought chiefly to invalidate the contract of sale on the ground that its terms favored certain majority stockholders. The suit filed by the Allied Chemical and Dye Corp. of New York charges that Clarence Dillon, head of Dillon, Read & Co., stock brokers of New York and Chicago, had dominated and controlled the management of the business through directors of the Steel and Tube Company and officials appointed by him, though Dillon is neither a director nor officer.

The Steel and Tube Company, with assets of more than \$100,000,000, was sold to the Youngstown company for a consideration of approximately \$32,706,593, the bill states. The contract of sale provides for the payment of \$110 a share to holders of preferred stock in the steel company and additional cash of \$14,509,953.

This last sum would yield to the common stockholders \$15 a share, the bill avers. The Allied Company, holding 16 per cent of the common stock, asserts in its bill that the common stock is easily worth \$40 a share and charges that the preferred stock, previous to the publication of the contract of sale, had been sold in the open market at from \$68 to \$86 a share. Since investors became aware of the prospective liquidation of preferred stock at \$110, the shares have risen to around \$108, the bill states.

Dillon, the bill charges, organized a syndicate to purchase cheaply almost the entire outstanding issue of common stock. He also, according to the bill, organized his syndicate and purchased a controlling interest at \$10 a share.

At the time of the reorganization of the company in 1919, the bill sets forth, Dillon, Read & Co., through Dillon, bought the entire block of preferred stock issued by the company, 175,000 shares, at \$90 a share. They sold to customers at \$98 and to other brokers at between \$93 and \$96.50, the bill asserts, and retained some of the preferred stock themselves.

Thus, in liquidating the company's preferred stock at \$110 and the common stock at \$15, Dillon and his syndicate, the bill avers, would realize a profit on their purchase of both stocks.

The petition alleges that the Allied Chemical Company owns through its subsidiary, the Semet-Solvay Company, 161,354 shares of the common stock of the Steel & Tube Company of America, and if the sale made by the defendants is allowed to stand a loss of about \$4,000,000 will ensue.

The Youngstown Sheet & Tube Co. has been in possession of the assets of the Steel & Tube Co. since July 2 last.

Suit will be heard in the Chicago Circuit Court on Aug. 20.

Trade Notes and Personals

Apex Chemical Co., 223 W. 33rd st., New York, will erect an addition to its plant at Elizabethport, N. J.

Sherwin-Williams Co. is to erect a manufacturing plant at Los Angeles, Cal., to cost, including the site, approximately \$250,000.

Shepherd Chemical Co., Cincinnati, O., manufacturer of cobalt driers, will be represented in Pennsylvania, Delaware, Maryland, and New Jersey by Alex. C. Ferguson of Philadelphia.

Philadelphia Quartz Co., 121 South Third st., Philadelphia, Pa., will build a one and two-story plant, on site recently acquired at Jeffersonville, Ind., for the production of silicate of soda.

Jayne & Sidebottom, coal-tar products, 17 Battery pl., New York, have been appointed sole selling agents in New York and Philadelphia territories for Henry Woods Sons, Boston, makers of dry and pulp colors.

Phosphate Export Association and Florida Pebble Phosphate Export Association, New York, formerly located at 2 Rector st., have moved their offices to room 301, Produce Exchange Building.

An investigation of costs of production of magnesium has been ordered by the Tariff Commission on application of the American Magnesium Co., Niagara Falls, N. Y., which has asked for an increase in tariff.

Official figures for the production of potash salts in Germany in 1922 give the output of crude salts as 13,010,000 metric tons, containing 1,510,000 tons of pure potash, against 770,000 tons in 1921, the remainder being exported.

Del Dessa Chemical Co. has been formed in Ogden, Utah, to manufacture chemicals, with capital of \$500,000. W. R. Black, Deseret, is president; Willard Scowcroft, Ogden, vice-president; James A. Steel, Ogden, manager; and Harold B. Foutz, secretary.

Charles C. Newkirk has resigned as sanitary engineer of Berkeley, Cal., and is now supervisor of chemical process for Elkonite Soap Co., whose main plant will be in Greater San Francisco. Mr. Newkirk is a member of the American Chemical Society.

Francis B. Davis, Jr., has been made general manager of du Pont Company's Pyralin Department. He succeeds R. R. M. Carpenter who took over the work last February when C. W. Phellis, the then general manager, resigned. R. W. Brokaw has been advanced to the position of assistant general manager.

George D. Barrett, assistant manager of the Chicago branch, General Chemical Co., was crushed to death at Clark and Adams sts., Chicago, on Aug. 9. He was hurrying home with the news of his appointment as a branch manager for the company when he was struck by a trolley car and thrown directly under the wheels of a motor bus.

An exhibit showing what chemicals have done in the development of the radio, will be one of the educational features of the Chemical Exposition, this year. Any exhibitor at the Exposition who manufactures products which in any way enter into the field of wireless telephony, will be permitted to place his products in this special radio exhibit.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending August 11

	Bid	Asked		Bid	Asked
Air Reduction	62	64	Heyden Chem.	194	..
*Allied Chem. & D. 61½	62	64	Hooker Electro.	55	66
*Allied Ch. & D., pf. 104¼	107	107	Hooker Electro. pf. 60	70	70
*Am. Ag. Ch.	12	12½	*Household Products 30%	31	..
*Am. Ag. Ch., pf.	30	31¼	*Int. Agricult.	2	2¼
*Am. Chiclé	10½	11	*Int. Agricult., pf.	7	8½
*Am. Chiclé, pf.	40	47	*Int. Nickel	12	12¼
*Am. Cot. Oil	4½	5	*Int. Nickel, pf.	78	79
*Am. Cot. Oil, pf.	15	15½	*Int. Salt	77	87½
*Am. Cyan.	48	51	*Mathieson Alk.	39	42
*Am. Cyan., pf.	73	75	Merck & Co., pf.	77	82
*Am. Druggist S.	4½	5	Merrimac	96	..
Am. Glue	82	85	Mulford Co.	29	34
Am. Glue, pf.	124	126½	Mutual Co.	150	..
*Am. Linseed, pf.	17½	18½	*National Lead	112¼	113¼
*Am. Malt	12	13	*National Lead, pf. 110	112¼	112¼
*Am. Zinc	8¼	9½	N. J. Zinc	150	152
*Am. Zinc, pf.	30¼	35	Niag. A., pf.	96	100
*Atlas Powder	52	53¼	Parke, Davis & Co. 80¼	..	..
*Atlas Powd., pf.	81	90	Penn Salt	80	..
By. Prod. Co.	67	72	*People's Gas, Chi. 88	89	..
Carborundum	135	135¼	Procter & Gamble 124	128	..
Carborundum, pf.	115¼	116	Procter & Gam., pf. 102	106	..
Casein Co.	60	65	Royal Bak. Po.	122	130
Celluloid Co.	85	90	Royal Bak. Po., pf. 98	..	101
Celluloid Co., pf.	105	111	Sherwin-Williams .. 23¼	..	..
Ches. Mfg.	225	230	Sherwin-W., pf.	100¼	..
Ches. Mfg., pf.	111	113	Stand. Ch.	90	100
Com'l Solv. A.	30	32	Swan & Finch	32	34
Do B.	25	26	*Tenn. C. & Chem. 8½	9¼	..
*Corn Products	119¼	120¼	*Tex. Gulf, Sul.	55½	56½
*Corn Products, pf. 119	120	120	Union Carbide	53¼	..
*Davison Chem.	28¼	28¼	Union Sulphur ....	..	..
Dow Chem., non par. 40¼	..	..	*Un. Drug	78	80¼
Dow Ch., pf.	96	..	*Un. Drug, 1st pf. 46	47½	..
Du Pont de Nem.	116	117	*Un. Dyewood	40	48¼
*Du P't de Nem. Db. 82	83	..	*Un. Dyewood, pf. ..	95	..
Eastman Kodak	102	105	Un. Gas Imp.	49¼	..
Eastman Kodak, pf. 108¼	110¼	..	Un. Gas Imp., pf. 35	..	..
*Freepor Tex., Sul. 11¼	12¼	..	U. S. Gypsum	36	..
Freep. Tex. Sul., pf. 91	93	..	U. S. Indus. Al.	45¼	46¼
*Grasselli	125	133	U. S. Indus. Al., pf. 96	100	..
*Grasselli, pf.	102	105	*Va.-Car. Ch.	8	8¼
Hercules Powder	100	105	*Va.-Car. Ch., pf.	22	24½
Hercules Powd., pf. 102	104	..	*V. Vivaudou	17¼	18

*Listed on New York Stock Exchange.

New Incorporations

Chemical Industry

Niagara Ammonia Co., New York, \$600,000. Chemical products. R. Bennett, Jr., F. Poppe and W. J. Ryan. Attorney F. Knorr, Albany.

Fisher-Smith Mfg. Co., East Orange, N. J., \$100,000. Boiler compounds and kindred products. H. Earl Fisher, A. Weston Smith, Jr., New Jersey Registration & Trust Co.

Cotton States Oil Co., Hattiesburg, Miss., \$150,000. Refined oil products. R. D. Moore, J. G. Donald.

Aluminum Co. of Michigan, Pittsburgh, Pa., \$100,000. Aluminum and other metals. F. B. Ingersoll, Miles H. England, G. R. Gibbons, 2400 H. W. Oliver Bldg.

G. Amsinck Import Corp., Dover, Del., \$2,000,000. Importers. Harry A. Arthur, Eugene A. Canalizo, R. C. Shepard, U. S. Corp. Co.

Dye Works Securities Corp., New York, \$500,000. Stocks and bonds. U. S. Corp. Co.

International Filter Co., Wilmington, Del., \$220,000. Clays, earths, minerals. Corp. Trust Co. of America.

Pipeite Sales Co., Dover, Del., \$50,000. Chemicals. H. L. Nelson, Masontown, Pa.; D. L. Borestler; David Kochendarfer. U. S. Corp. Co.

Porborg-Demore, New York, \$50,000. Make olive and vegetable oils. H. Ehrlich, M. Chonack, W. S. Tienken. Attorney, Herman & Ernst, 170 Broadway.

Sorenson Scientific Corp., 177 East 87th st., New York. Active capital, \$10,000. Make laboratory apparatus. C. M. Sorenson, F. A. Boersch, T. S. Wood.

Consuming Industries

Pearl Confectionery Co., New York, \$50,000. C. Bozzo, J. Ferretti, C. Borni. Attorney, A. Bozzo, 799 Broadway.

Broadway Lotion Corp., Dover, Del., \$100,000. Manufacture toilet preparations. Capital Trust Co.

Maywald Corp., Wilmington, Del., \$2,000,000. Manufacture rubber tires and valves. Colonial Charter Co.

Cremondate Co., Brooklyn, \$50,000. Fruit juices. T. G. and L. and M. J. Indell. Attorneys, Smith, Weynberg & Rich, 44 Court st.

United Mills Co., 72 Chestnut st., Newark, N. J. Disinfectants and insecticides. Philip S. March.

Ever-Wear Tube and Rubber Corp., Los Angeles, Cal., \$500,000. L. A. Denker, J. C. Wise, J. Gritendorf, Los Angeles.

COMMERCIAL SOLVENTS ON EARNING BASIS

Commercial Solvents Co., which recently bought a plant at Peoria, Ill., reports that the company is again on an earning basis for the first six months of 1923. About a year ago, the Commercial Solvents Co. encountered a severe contamination in their processes which reduced production and at the same time increased operating expenses so that as a result the operations of the company returned a net loss of \$34,882 for the last six months of 1922, compared with net earnings of \$191,871 in the first half year, after deductions for all charges and estimated Federal taxes.

Orders on the books of the company are sufficient to maintain capacity operation for at least two years, even after the new plant, which will be ready by Jan. 1, doubles the output. No dividends have been paid on the 'Class A common stock of the company since January of this year when \$1 a share was disbursed, but it is confidently expected that regular dividends on this issue will be resumed at the fall meeting of the board.

CORN PRODUCTS EX-DIVIDEND IN DEC.

An extra dividend of 1½% on Corn Products Refining common stock probably will be declared in December rather than in September, according to late reports. Last extra of 1½%, paid July 20, was declared at the June meeting. Preceding that was the 3% extra paid in January, which was, however, in the nature of an atonement to stockholders who had been receiving an extra of only ½ of 1% quarterly during 1922.

Mindel Zagat Drug & Chemical Co., New York, has increased its capital from \$10,000 to \$150,000.

Ormont Drug & Chemical Co. has entered judgment in New York county for \$101.20 against Benjamin Baum.

American Chiclé Co., New York, reports net income of \$300,047 for the six months period ending June 30, against a deficit of \$189,502 for similar period in 1922.

Judgment in favor of the Superfos Co., New York chemical importers, against Edward R. La Vin for \$114.20, dated April 15, 1922, has been satisfied.

Columbian Carbon Co., reports net income of \$1,161,432 for three months period ending June 30, equal to \$2.88 a share on the 402,131 shares outstanding.

Eastman Kodak Co., has declared a quarterly dividend of \$1.25 on common and 1½ per cent on preferred stock, both payable Oct. 1 to stock of record Aug. 31.

American Sugar Refining Co. has declared the regular quarterly dividend of 1¼ per cent on the preferred stock payable Oct. 2 to stock of record Sept. 1.

A dollar to-day is worth 65.4c as compared with pre-war, according to Prof. Irving Fisher, Yale University. Prices last week averaged 153 per cent of pre-war, according to the same figures.

Granton Chemical Co., organized under the laws of Delaware, with 2,500 shares preferred stock, \$100 each, and 2,500 shares common, no par value, has appointed W. C. Peyton, 350 Madison ave., New York representative.

About 17,300 shares of U. S. Industrial Alcohol Co. stock formed a portion of the estate of the late William Rockefeller. Stock of the Permutit Co., 2,625 shares common and 1,500 preferred, were also included in the estate.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 424

WHITE ARSENIC HIGHER ON SPOT

Export Movement Has Cleaned Out Cheap Lots—Caustic Soda and Soda Ash Moving Well—Bleach Subject to Cutting—Prussiate of Soda Firmer—Paris Green Active.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined			
	Arsenic, White, $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb.		Copper Sulfate, 10c 100lbs.			
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$12 $\frac{3}{4}$	\$12 $\frac{3}{4}$	\$12 $\frac{3}{4}$	\$12	\$19 $\frac{1}{2}$	\$07
Sulfuric Acid, 66 deg...ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate...100 lbs	3.15	3.15	3.15	2.85	7.50	1.50
Bleaching Powder...100 lbs	1.75	1.75	1.75	1.75	9.50	1.50
Copper Sulfate ....100 lbs.	5.15	5.25	5.25	5.95	20.00	4.50
Potash Caustic.....lb.	.07 $\frac{3}{4}$	.07 $\frac{3}{4}$	.07 $\frac{3}{4}$	.05 $\frac{1}{4}$	.87	.08
Soda Ash, 58 p.c....100 lbs	2.00	2.00	2.00	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs	3.70	3.70	3.70	3.71	9.50	1.42
Potassium Bichromate..lb.	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.11	.10	.65	.06 $\frac{3}{4}$
Sodium Prussiate.....lb.	.14 $\frac{1}{2}$	.14 $\frac{1}{2}$	.13 $\frac{1}{2}$	.21	1.25	.18
Average	3.121	3.131	3.130	3.042	10.79	2.99

The volume of business for August thus far has shown an improvement over that of July. Buying is still along conservative lines, but consumers are beginning to take slightly larger quantities than during the last month or two. Prices on the whole, have become steadier and in some instances are beginning to advance, while in others competition is keeping figures unsettled. The recovery of arsenic in the spot market has been one of the features. Two weeks ago prices fell below the 9c level and now the price is firm at 10c/lb. Most of the cheap material was quietly bought up and exported to European countries where prices are still high. Over one hundred tons have been exported. Calcium arsenate is still available at cheap prices and the outlook for moving all stocks this season is not encouraging. Paris green has been in better demand this year than calcium arsenate owing to the large infestation of army worms in the cotton belt. The boll weevil has not been active this year. Copper sulfate is quiet and easier. Bleaching powder is unsettled under keen competition. Caustic potash is steadier. Yellow prussiate of soda is firmer. Alkalis have been moving well both for domestic and foreign consumption. Acids are fair.

Acid, Acetic—Demand has been more or less routine and supplies in makers' hands are adequate for present requirements. Prices continue steady with 28% named at \$3.38@3.86 according to quantity in barrels at works; 56%, \$6.75@7.00; 70%, \$8.38@8.63; Glacial, \$12.78@13.53.

Acid, Muriatic—Demand is normal for this season of the year and contract withdrawals are reported steady though not as large as earlier in the year. Prices are unchanged at recent levels with 20° acid at \$1.00@1.10 in tanks at works and \$1.25@1.50 in carboys; 22° held at \$1.75@2.00 in carboys at works.

Acid, Oxalic—Domestic prices are inclined to be easy at 12 $\frac{1}{2}$ c/lb. at works and 12 $\frac{1}{2}$ c/lb. on spot. Imported material is offered at 12 $\frac{1}{2}$ c@13c/lb.

Acid, Sulfuric—Summer demand is reported as normal and somewhat below the usual demand. Makers continue to quote recent prices with 66° named at \$15.00

@\$16.00 ton in tanks at works and \$1.25@1.50 in carboys; 60° is holding at \$9.00@10.00 ton in tanks; drums, 60c@90c. Oleum is in light supply but demand is not pressing. Prices range from \$18.00@19.00 ton in tanks and \$1.50@1.75 in drums at works.

Acetone—Supplies are small and prices continue firm at recent levels; the C.P. is held at 25c@25 $\frac{1}{2}$ c/lb. and the methyl at \$1.15@1.20 per gallon.

Arsenic—Spot prices are firmer and higher at 10c/lb. Most of the cheap lots were bought up and sold for export, over one hundred tons having been sold. Japanese material is offered at 9c/lb. for future delivery and German at 13c/lb. Only 86 bbls. and 100 casks were entered at New York last week.

Bichromates—Sodium bichromate is reported firmer at 7 $\frac{1}{2}$ c@8c/lb. while potassium bichromate is unchanged at the recent decline. Competition between makers is keen and prices are subject to shading when firm orders are in view.

Bleaching Powder—Owing to active competition and the season of the year, prices are inclined to be easy. Makers are quoting \$1.75 at works while as low as \$1.50 is possible in some directions. Spot material is available at \$2.00@2.25 per 100lbs.

Calcium Arsenate—With the consuming season nearly over and only a limited demand for arsenate this year, it appears that a large quantity will be carried over for next year. Prices depend upon the seller with some asking for offers and others asking 11c@12c/lb.

Copper Sulfate—Demand has dropped off to only routine buying. Prices for domestic material are slightly easier owing to the decline in metal prices. Spot business in carlots is named at \$5.15@5.25 and less than carlots at \$5.35@5.50. Imported material is quiet and prices range from 4 $\frac{1}{2}$ c@5c/lb.

Copperas—Supplies have been increasing during a lull in demand but prices are unchanged at previous levels. Bulk, \$20.00@21.00 ton; bags, \$23.00 ton; barrels, \$25.00 ton; powdered, \$1.90@2.00 100lbs.

Barium Compounds—Chloride is holding at \$88.00@90.00 ton at works while imported is offered at \$82.50@85.00 ton. The imported carbonate is scarce and high at \$75.00@76.00 ton; domestic is steady at \$65.00@67.00 at works. Peroxide, 17c@18c/lb. domestic, 14c@16c/lb. imported. Nitrate, 7 $\frac{1}{4}$ c@8c/lb.

Fertilizers—The market continues quiet with only routine business passing. Nitrate is dull and acid phosphate inclined to be easy. Ammonium sulfate unchanged at \$3.15 in bulk at works and \$3.45 f.a.s. Nitrate, \$2.42 $\frac{1}{2}$ @2.45. Fish scrap, \$3.75 & .10.

Paris Green—Demand from the cotton fields has been heavy owing to the attacks of army worms. Prices are on a basis of 28c@30c/lb. in kegs. Supplies are being rapidly exhausted by the new demand.

Potash Caustic—Some material is still available at 7 $\frac{1}{2}$ c/lb. on spot though most sellers are holding at 7 $\frac{1}{4}$ c@8c/lb. Shipment prices are reported at 7 $\frac{1}{2}$ c@7 $\frac{3}{4}$ c/lb. Domestic prices continue at 9c@10c/lb.

Potassium Prussiate—Shipment is named at 30 $\frac{1}{2}$ c/lb. while spot material is quoted at 34c@35c/lb. for the yellow. The red is quiet at 63@65c/lb.

Soda Ash—Demand is reported steady and somewhat above the usual summer requirements. Recent increase

in cost of production is said to have been offset by the increased production and prices have been holding steady. Makers name 58% at \$1.45@\$.150 per 100lbs. in bags at works. Resale material is named at \$2.00 in bags and \$2.25 in barrels on spot.

Soda, Caustic—Domestic consumption continues steady and somewhat above the usual summer demand both on contract withdrawals and for prompt business. Export demand has also been active and most of the cheaper lots have been sold. Standard prices for export hold at \$3.25@\$.30. Makers continue to quote contract business at \$3.16½ per 100lbs. for 76% solid in drums at works. Ex-warehouse business is named at \$3.40@\$.370 according to brand and seller.

Sodium Prussiate—Spot prices for imported material are firm at 14½clb. and shipments at 14clb. Domestic makers quote 14½clb. with freight allowed.

CHEMICAL EXPORTS SHOW MANY CHANGES

Exports from the United States during the first quarter of 1923 show 41 per cent expansion in aluminum sulfate, 36 per cent in acetate of lime, 36 per cent in dextrine, 22 per cent in baking powder, and 70 per cent in washing powder and fluid. On the other hand, exports show 63 per cent decrease in calcium carbide, 37 per cent in copper sulfate, and 22 per cent in potash bichromate. Exports of heavy chemicals for first quarter of 1923 as compared with 1922 are as follows:

Articles	January-March, 1922 Pounds	Value	January-March, 1923 Pounds	Value
Ammonium and compounds	1,235,296	\$254,618	2,083,158	\$261,793
Aluminum sulfate	4,791,480	77,336	7,940,287	109,332
Baking powder	782,284	354,852	1,069,026	457,679
Acetate of lime	8,530,106	127,805	5,092,206	173,741
Calcium carbide	3,740,488	189,087	1,656,411	70,719
Bleaching powder	5,946,367	111,320	10,581,533	186,678
Copper sulfate	2,325,964	105,345	1,167,716	65,092
Dextrine or British gum	3,101,274	95,481	3,597,115	180,245
Potash:				
Chlorate	137,240	6,255	1,723,928	12,297
Bichromate of	1,735,506	180,738	1,664,374	141,404
Other	5,168,693	158,217	844,910	45,268

Bail of Philip Weisenthal, New York, formerly a chemical broker and importer, has been increased to \$50,000, on five new indictments. He is in the Tombs. Assistant District Attorney John V. Mullen alleged that Weisenthal was charged with the theft of \$70,000, although he said the total amount aggregated \$250,000. He told the court that the prisoner had swindled the American Express Company, by working in concert with persons in Hamburg, Germany. They, he said, had obtained money by presenting fraudulent bills of lading representing that they had shipped to Weisenthal in this country goods greatly in excess of the amount actually shipped.

At the plant of American Zinc, Lead & Smelting Co., Hillsboro, Ill., where half of the 600 employees of the company have gone on strike as result of recent organization of a union among employees, ten companies of Illinois National Guard are looked for to prevent further disorders.

Zinc surplus stocks increased 4,067 tons during July, making a total increase of 8,221 for the past two months. Stocks on Aug. 1 amounted to 21,240 tons as against 13,019 tons on June 1.

Dr. G. J. Fink, Hooker Electrochemical Co., New York, has been appointed chemical director of the National Lime Association.

Southwestern Graphite Co., with mines at Burnett, Tex. will build a plant at Houston.

EARLY HEARING IN OLD HICKORY SUIT

Government Action Does Not Interfere in Any Way With Business of Nashville Industrial Corp.

In the suit brought by the Government against Nashville Industrial Corp. in the Federal Court of the Middle District of Tennessee, asking that the contract held by that corporation with the Government covering the sale of the Old Hickory plant, be rescinded, it was agreed that a receivership for the property would not be opposed by either side. Judge Gore appointed B. P. Morse, present manager of Nashville Industrial Corp., and W. P. Smith, Assistant District Attorney, joint receivers and issued instructions that the business should be carried on as usual, that sales of both realty and personalty shall be made and all activities instituted by the corporation shall continue under direction of the court.

No receivership of the Nashville Industrial Corporation was asked by the Government. Both sides have stipulated that no dilatory motions will be made and that the case shall be brought before the court for decision at the earliest date possible. The plans of industrialization of Old Hickory will continue as it is the desire of both the Government, as expressed by First Assistant Attorney General A. T. Seymour, and Nashville Industrial Corp. that an industrial city be made of this war expenditure. As charges have been made that there was fraud in the sale of the property, it was felt by both sides that the question should be definitely settled in order that industrialization might proceed with absolute safety to industries intending to locate at this point.

The suit will not interfere with the plan of the du Pont Fiber Silk Corp. to locate its factory on the Old Hickory property. All sales contracts made by the corporation and now existing will be taken over and consummated by the receivers.

BRITAIN SUPPLIES INDIA'S CHEMICALS

The bulk of chemicals consumed by British India are supplied by English houses, except in the case of dyestuffs, where Germany led in 1922 with shipments of 1,545,168 lbs. During 1922, British manufacturers supplied the following chemicals to India: (in hundred pounds) Sulfuric acid, 793; bleaching powder, 51,116; calcium carbide, 24,663; caustic soda, 111,947; sodium carbonate, 669,844; sodium bicarbonate, 93,651.

Production of natural sodium compounds in the United States in 1922 amounted to 45,406 short tons, valued at \$1,415,774, according to reports made by producers to the Department of the Interior. These figures show an increase of about 82 per cent in quantity and 58 per cent in value over those of 1921. The materials marketed were sodium carbonate (soda ash) and sodium bicarbonate from California; sodium sulfate (Glauber's salt) from Utah and Wyoming; sodium borate (borax) from California; trano double salt of sodium carbonate, and sodium bicarbonate, from California. The output of boron minerals in 1922 amounted to 85,220 short tons valued at \$2,705,140, an increase of 70 per cent over the output in 1921. Borax and colemanite (calcium borate) were the minerals produced mainly in California and Nevada.

Sales of barytes mined in the United States in 1922 amounted to 155,000 short tons, more than twice as much as in 1921 and about 75 per cent of the average yearly sales for 1916 to 1920. The total value of the domestic barytes sold in 1922 was \$1,123,950, an average of \$7.25 a ton.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 424

DIMETHYLANILINE AND RESORCIN LOWER

Makers Announce Reductions in These Products—Anthranilic Acid in Fair Demand—Benzol Production Curtailed by Closing of Coke Ovens—Phenol Easier on Spot—Pyridine Still High

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No Advances

Declined

Dimethylaniline, 1c lb. Resorcin, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	\$.25	\$.25	\$.27	\$.30	\$ 1.10	\$.25
Naphthalene flake .....	.07	.07	.07	.07	.16	.03
Phenol, Spot .....	.32	.32	.35	.35	1.50	.08
Toluene, pure .....	.26	.26	.29	.30	..	..
Aniline Oil .....	.16	.16	.16	.14	1.40	.10%
Alpha-naphthylamine .....	.35	.35	.35	.30	1.25	..
Benzaldehyde .....	.75	.75	.75	.65	..	..
Betanaphthol, dist. ....	.22	.22	.22	.23	1.50	.08
Dimethylaniline .....	.40	.41	.41	.32	1.30	..
Paranitroaniline .....	.74	.74	.74	.75	1.85	.18
Average .....	.358	.359	.361	.331	..	..

Conditions in the market for coal-tar products have undergone little change during the week. Dyes and intermediates are scarcely moving at this time of year. Coal-tar crudes are, perhaps, showing a little more activity. Most places of business were closed over the week-end in observance of the late President's funeral. Many factors believe that business will improve within the next month and in the meantime they are marking time. Buyers will not be tempted by lower prices when they themselves can see no business ahead. Moreover, they are not inclined to buy on a falling market so makers are holding prices quite steady. Occasionally reductions are announced when supplies become larger than are necessary. One maker of dimethylaniline has announced a decline. Technical resorcin has been reduced in one direction. Other intermediates are practically unchanged. Benzene and toluene have been in better demand at recent lower prices. Several coke plants have been shut down during the past week and the production of benzol has been curtailed. Phenol is somewhat easier in the spot market while makers are holding prices steady at recent quotations. Cresylic acid is unchanged. Pyridine is strong though demand has slowed up owing to high prices.

Coal-Tar Crudes

Benzene—Demand from industrial sources has increased while production has been curtailed, owing to the closing of several coke plants, steel companies having accumulated sufficient quantities of coke for present needs. Sales are being made at 23c@24c lb. for 90% in tanks and 28c@30c gallon in drums. Pure is named at 25c@27c in tanks and 30c@33c in drums.

Cresylic Acid—Demand in the East is reported quiet while Western consumers are more active. One producer reports a sold up condition for the next few weeks. Sources of supply are more plentiful but stocks are not large and prices are holding at 75c@\$1.00 according to seller, quantity and quality.

Naphthalene—The market is a dull affair with little interest displayed by dye makers and flake season over.

Prices are holding at 7c@8c lb. for flake according to seller and 6c lb. for the chipped.

Phenol—Makers are holding prices steady at 35c@36c lb. as to quantity at works with demand reported fair. Spot prices are reported easier with sales having been made at 30c lb. though most sellers are holding out for 32c lb.

Pyridine—High prices have restricted buying though supplies are still somewhat limited. Prices are at a variance according to seller with quotations at \$4.00@ \$4.25 per gallon.

Toluene—Improved demand noted with tanks at 26c@27c per gallon and drums at 31c@33c per gallon.

Solvent Naphtha—Stocks are more plentiful and producers are now quoting tanks at 26c@27c per gallon, and drums at 29c@31c per gallon.

Xylene—Improved supplies and producers are offering drums at 60c@65c per gallon and tanks at 55c lb.

Intermediates

Acid, Anthranilic—Refined is moving well at \$1.20 lb. while technical is routine at 96c lb.

Acid, Gamma—Quiet demand at unchanged prices. Makers quote \$1.70@\$1.80 lb.

Acid, H—Fair demand with supplies sufficient for present consumption. Ton lots are named at 75c lb. and smaller quantities up to 80c lb.

Acid, Salicylic—Quiet demand from dye makers. Prices holding at 33c lb.

Alpha-naphthylamine—Small lots are moving on the basis of 35c@37c lb. according to seller on limited demand.

Aniline Oil—Demand shows little improvement and supplies are quite plentiful. Makers are firm at old prices of 16c@17c lb. according to quantity.

Benzidine—Makers are quoting 80c@84c lb. with demand somewhat routine.

Beta-naphthol—Demand is far from active but makers are holding prices steady at recent levels of 22c@23c lb. while resale lots are offered at 20c@21c lb.

Dimethylaniline—One maker has reduced prices to 41c@42c lb. for drums while others are still at 42c@43c lb.

Dinitrobenzene—Unchanged at 19½c@20c lb. on routine demand.

Nitrobenzene—Makers are holding crude at 9½c@10c lb. and redistilled at 10c@11c lb.

Ortho-aminophenol—Prices remain at \$3.00 lb. A quantity of 110 lb. was entered in the imports for July.

Ortho-toluidine—Prices are firmer with makers quoting 14c@18c lb. though demand has not greatly improved.

Para-nitraniline—Demand has been along quiet lines. Makers continue to quote 74c@75c lb. according to quantity and seller.

Para-phenetidin—In fair demand prices unchanged at \$1.55@\$1.80 lb.

Para-phenylenediamine—Makers continue to quote \$1.45@\$1.55 lb. on quiet demand.

Para-toluidine—Odd lots are moving slightly below makers' prices which hold at 90c@\$1.00.

Resorcin—One maker has announced a reduction of 10c. Others continue to quote \$1.50@1.55lb. for technical.

VISCOSE TO BUILD \$5,000,000 PLANT

Viscose Co., producers of artificial silk fibre at Marcus Hook, Pa., will erect a \$5,000,000 plant in the Holmesburg-Tacony district of Philadelphia which will employ 4,000 to 5,000 persons. The new plant will front on the Delaware River. The buildings will be of brick and will be put up in four or five units, work beginning next Spring.

Pennsylvania Coal Products Co., Butler, Pa., has announced a reduction of 10c. in the price of technical resorcin.

Thomas E. Kidd, overseer of dyeing for the Farnsworth Mills, Inc., Central Village, Conn., has severed his connection with the company.

Work on the new dye-house for the Camden Woolen Co., Camden, Me., is under way under the direction of Charles T. Main, engineer, Boston.

Robert Burrows has resigned his position with the Lewiston (Me.) Bleachery & Dye Works, with which he has been connected for a number of years.

The du Pont Fibresilk Co., Buffalo, N. Y., has arranged for an increase in capital from \$12,500,000 to \$15,000,000, a portion of the proceeds to be used for mill expansion.

Although Japan has imported large quantities of starch this year the market is strong. Imports of Dutch starch since the beginning of May have been 4,000 tons, and 2,000 tons more are expected in August. About 3,000 tons of tapioca and corn starch have been imported since May.

Washing tests of various types of fabrics to demonstrate the fastness of American dyes will be conducted at the Chemical Exposition during the week Sept. 17 to 22. The Laundryowners' National Association will sponsor the tests which will be made in conjunction with the groups of exhibits by American dyestuff manufacturers.

The total shipments of vegetable dye extracts advanced slightly, from 2,783,835 pounds during the first six months of 1922, to 2,898,648 pounds, in the first six months of 1923, but declined in value one-fourth, from \$527,586 to \$386,162. Logwood extract also fell off considerably. Only 1,175,000 pounds, valued at \$161,277 were exported during the January-June, 1923 period.

The monthly report of the trade of Canada for May gives the value of imports of dyeing and tanning materials as follows: From Britain \$15,618; United States \$232,419; other countries \$71,726; total \$319,763; compared with imports for May, 1922. From Britain \$22,383; United States, \$208,521; other countries, \$126,903; total \$357,807. Imports of aniline and coal tar dyes, included in the above, were as follows: From Britain 18,196 lbs., value \$12,832; United States, 162,894 lbs., value \$98,541; Germany 23,928 lbs., value \$18,611; Netherlands 37,690 lbs., value \$27,607; Sweden, 9,835 lbs., value \$5,059; Switzerland 11,252 lbs., value \$8,528; total 263,795 lbs. value \$171,178; compared with imports during May, 1922: From Britain 28,574 lbs., value \$17,204; United States 165,428 lbs., value \$115,941; Germany 17,730 lbs., value \$77,021; Netherlands 57,579 lbs., value \$32,195; Sweden 9,325 lbs., value \$5,059; Switzerland 2,200 lbs., value \$2,436; other countries 25 lbs., value \$52; total 280,861 lbs., value \$258,249.

TARIFF FORCED UP CASEIN PRICES, CLAIM OF COATED PAPER MAKERS

Casein Hearing Marks First Case to Be Argued Before Tariff Commission Under Fordney Act—Farm and Dairy Interests Fight Appeal for Cut in 2½c Duty

Washington, D. C., Aug. 15—The question as to whether or not the duty of 2½c per pound on casein is too high was argued before the United States Tariff Commission, on Monday. A number of witnesses testified both for and against the duty, including Martin Cantine, of the Martin Cantine Co., Saugerties, N. Y., who appeared before the Commission as chairman of the committee representing the coated paper manufacturers. Mr. Cantine asked that the duty be reduced. The other members of the committee who attended the hearing included Dr. Hugh P. Baker, secretary, American Paper & Pulp Association, and Charles F. Shirley.

Included among the other witnesses before the Commission were Henry Derby, of Kalbfleisch Corp., New York, casein importers; Lawrence Ottinger, National Veneer & Panel Ass'n., and others. The farm element was represented by John D. Miller, president, and Charles W. Holman, secretary, of the National Milk Producers Ass'n., and Albert Manning, also of the association, along with a number of other witnesses.

The principal argument before the Commission on behalf of the paper manufacturers was made by Mr. Cantine who told the Commission of the hardship which the 2½c tariff has worked on the coated paper manufacturers of the United States. He said that the tariff in large measure had to be absorbed by the manufacturers and the price could not be passed on in whole to the consumer.

"Casein is an absolute necessity in the manufacture of coated paper", said Mr. Cantine. "More than 75% of all casein, domestic and imported, consumed in the United States is used in the manufacture of coated paper and wall paper. There has never been produced in the United States, there is not now produced, and, unless the coated paper industry is destroyed, there is no reason to believe there will ever be enough casein produced in the United States to supply the domestic consumption. The effect of the duty imposed by the Fordney Tariff Law of 2½c per pound was an immediate advance in the price of casein from approximately 8c per pound to 30c per pound."

Mr. Miller, president of the Milk Association told the Commission that casein never reaches the ultimate consumer and he contended that if relief is granted the coated paper manufacturer the inquiry should be made broad enough to cover the tariff on coated and glazed papers so that the ultimate consumer public could obtain cheaper paper. He also told the Commission that he thought the testimony should be confined to any changes in the cost of production which have taken place since the tariff bill was written. Mr. Miller further contended that the figures obtained by the experts of the Tariff Commission should be made public at the hearing. Chairman Marvin of the Commission said that he would take the requests of Mr. Miller under advisement.

Atlantic Dyestuff Co. has appointed William R. Smith of Raleigh, N. C., Southern manager, with headquarters at Charlotte, N. C. The Southern office controls the sales of dyestuffs in the following states: North Carolina, South Carolina, Virginia, Tennessee, Georgia, Alabama, Mississippi, Florida, Texas and Kentucky. Mr. Smith has been Carolina salesman for A. Klipstein & Co. for six years and now succeeds Robert J. Walker, who died recently at Charlotte.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 439

LINSEED OIL LOWER IN QUIET MARKET

Buying Confined to Less Than Carlots—Chinawood Oil Steady on Limited Offerings—Animal Oils Stronger—Menhaden Oil Unsettled—Turpentine Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Corn Oil, Crude, spot, 1/4c lb.	Olive Oil Foots, 1/4c lb.
Cottonseed Oil, P.S.Y., 1/4c lb.	Tallow, extra, 1/4c lb.
Lard Oil, 1/4c lb.	Fallow Oil, acidless, 1/4c@1/2c lb.
Neatsfoot Oil, 20°, 1/4c lb.	Turpentine, 2c gal.
Declined	
Linseed Oil, c/l, 3c gal.	Palm Kernel Oil, 1/4c lb.
Oleo Oil, 1/4c@1c lb.	Peanut Oil, refined, 1/4c lb.
	Rapeseed, blown, 3c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.65	\$.65	\$.70	\$.56	\$ 1.26	\$.36 1/2
Degras, American, bbl..lb.	.03 1/4	.03 1/4	.04	.04	.26	.08 1/2
Lard, No. 1.....gal.	.79	.79	.79	.73	2.90	.92
Menhaden, crd., bbls..gal.	.37 1/2	.37 1/2	.48	.46	1.20	.38
Neatsfoot, 20 deg. c.t..gal.	1.31	1.26	1.25	1.35	3.46	.95
Red Oil, distilled.....lb.	.09 1/2	.09 1/2	.09 1/2	.08 1/2	.17	.07
Stearic Acid, T.F.....lb.	.14 1/4	.14 1/4	.14 1/2	.10 1/2	.38	.12
Coconut, Ceylon, bbls...lb.	.09 1/2	.09 1/2	.09 1/2	.08 1/4	.90	.14
Cottonseed, crude, tks..lb.	.10	.10	.10	.07 1/4	.25	.08
Linseed, carlots.....gal.	.97	1.00	1.08	.88	1.88	.57
Olive, denatured.....gal.	1.12	1.12	1.30	1.12	4.50	1.05
Peanut, refined.....lb.	.15	.15 1/2	.16	.13 1/4	.30	.08
Soya Bean, bbls.....lb.	.10 1/4	.10 1/4	.12	.12 1/2	.19 1/2	.07
Average	0.454	0.453	0.471	0.463	1.30	0.362

Buyers continue to follow a conservative course in the oil market by purchasing only for their current requirements. The past week was reported the duller of the summer. In a measure this was due to the suspension of business during the funeral and burial of President Harding, but buyers have been showing little interest except as they need supplies. The moment prices begin to respond slightly to a small buying movement, there is a withdrawal from the market until prices become more attractive. Linseed oil is passing through a quiet period with few buyers anticipating and most orders being for less than carlot quantities. Crushers have reduced their prices for prompt shipments and for futures. Supplies are gradually accumulating though no large surplus is on hand at present. Flaxseed prices have been declining steadily. Chinawood demand is slow but prices are steady owing to limited supplies. Animal oils gained strength and a few advances have been noted owing to higher costs of raw materials in the West. Lard oil and neatsfoot oil are higher. Tallow has advanced slightly. Buyers of menhaden oil are still holding off for lower prices, but sellers are gradually meeting their views. Fishing operations have not been good but stocks on sellers hands are reported quite large due to lack of buying. Turpentine has gained slightly though the market is dull. Rosins are quiet and steady.

Vegetable Oils

Castor Oil—Steady after recent decline. Crushers quote No. 1 in barrels at 13 1/2c lb. and No. 3 at 13c lb.

Chinawood Oil—Although there is little buying interest sellers are holding prices at recent levels. Supplies are not large and recent shipments to primary markets are reported adulterated with other oils. Spot prices hold at 23c lb. in barrels; futures at China, 22 1/2c @23c lb.; tanks, coast, 21 1/2c@22c lb.

Coconut Oil—New developments have been lacking

and the market is quiet with occasional sales at current prices. Ceylon on spot is quoted at 8 1/4c@9 1/2c lb. as to quantity; Cochín, 9c@10 1/4c lb.; Manila in tanks at the Coast, 7 1/2c lb.; edible, 10 1/2c lb. Copra unchanged at 4 1/4c lb. Entries of 460 bags at New York last week.

Cottonseed Oil—Reports of shrinkage in the cotton crop sent prices up as shorts began to cover. Spot P.S.Y. opened this week at 9.90 and Aug. at 10.00@10.50. March, 8.85@8.95. Buying interest confined to Sept. and Oct. Crude continues nominal.

Linseed Oil—Buyers continue to purchase for immediate requirements and mainly in less than carlot quantities. Most crushers are quoting lower prices at 97c per gallon in carlots and \$1.00@1.03 in less than carlots. September, 92c, Oct., 87c, Nov.-April, 83c gal. Flaxseed prices have declined in the Northwest owing to the disposition of farmers to sell as quickly as possible. Winnipeg, Oct., \$1.95, Dec., \$1.84. No. 1 NW, Oct., \$1.95 1/2. Dec., \$1.85. Duluth, cash, \$2.35, Sept., \$2.29, Oct., \$2.26, Nov. \$2.25. Minnesota, Sept., \$2.28, Oct., \$2.24 1/2, Nov., \$2.25 1/2. Buenos Aires, lower, \$1.72 1/4. Shipments to the United States last week, 28,000 bushels. Visible in Argentina, 1,800,000 bushels against 2,000,000 last week.

Olive Oil—Buying confined to small quantities for immediate delivery. Prices holding steady at \$1.12@1.15 for denatured and \$1.70@2.00 for edible. Olive oil foots were slightly firmer on spot at 8 1/2c lb. and shipment at 8 3/4c lb.

Palm Oil—Inquiry has been quiet and sales reported few and far between. Prices are holding at 7c@7 1/4c lb. for Lagos on spot and 6 1/4c@7c lb. for Niger.

Peanut Oil—Refined is offered at lower prices at 15c @15 1/2c lb. on spot. Crude is unchanged at 12c@12 1/2c lb.

Soya Bean Oil—Unchanged as to prices with a little inquiry reported. Crude is named at 9c lb. on spot in tanks and 10 1/4c@10 1/2c lb. in barrels. At Coast in tanks, 9c@9 1/4c lb.

Animal Oils

Lard Oil—Producers quoting higher prices owing to increased costs of raw materials in the West. Edible prime, 14 1/4c lb.; off prime, 12 1/2c lb., extra, 11 1/4c lb.; extra, No. 1, 11c lb.

Neatsfoot Oil—Higher prices are in effect for 20° cold test at 17 1/2c lb. Other grades unchanged at 15 1/4c @15 1/2c lb. for 30° and 14 1/4c lb. for prime.

Oleo Oil—Easier with producers quoting lower for No. 1 at 11 1/4c lb.; No. 2, 9 1/2c lb.; No. 3, 8 3/4c lb.

Red Oil—Makers holding at 9 1/2c lb. in carlots of barrels and 8 3/4c lb. in tanks. Demand somewhat routine.

Stearic Acid—Slightly better inquiry reported with prices steady at 13c@13 1/2c lb. for double pressed and 14 1/4c@14 3/4c lb. for triple pressed.

Tallow Oil—Higher owing to higher costs of raw material. Acidless in tanks on spot, 18 1/2c lb.; bbls., 10 1/2c lb.

Tallow—Extra special was higher at 6 1/2c lb. Offerings reported fewer and demand quiet but steady.

Fish Oils

Cod Oil—Little change in the situation with demand quiet and offerings light. Sellers holding Newfoundland at 63c@65c per gallon.

Menhaden Oil—The market appears to be from 37½¢ @40¢ per gallon though buyers continue to hold off for lower prices. Supplies are quite abundant in the Chesapeake district and buyers hope for lower prices by refraining from buying. Fishing operations have not been favorable during the past week. Refined is held at 68¢ @70¢ per gallon for light strained, yellow-bleached, 70¢ @72¢; blown, 78¢@80¢ per gallon.

Sperm Oil—Recent prices have been maintained while demand is reported moderate. Prices range from 94¢ @99¢ per gallon as to quality.

Naval Stores

Turpentine—The spot market has been quiet owing to a lack of demand and a suspension of business. Prices gained early in the week to 95¢ per gallon, steam distilled, 85¢ gal.; destructive, 60¢ gal.

Rosin—Prices holding steady in a quiet market both locally and in the South. B, \$5.75; D to K, \$5.95; M, \$6.00; N, \$6.25; WG, \$6.75; WW, \$7.25.

The gain in foreign demand for American naval stores that was made in 1922 was continued through the first half of 1923 when naval stores valued at \$12,448,349 were sent abroad, compared with stores valued at \$8,031,121 during the first half of 1922. June was a particularly favorable month with a total of \$3,220,829 far surpassing all previous months. The value of the exports of rosin during the January-June, 1923, period exceeded those of the January-June, 1922, period, by 81 per cent, when 630,126 barrels, valued at \$5,978,810 were sent abroad. The countries of destination remained the same as those during the year 1922.

A 7 per cent drop in quantity but a 30 per cent rise in value characterize the outward movement of spirits of turpentine during the January-June period, 1923. The United Kingdom was still the best customer of the United States, taking approximately one-half of the total shipments, while the Netherlands superseded Canada as to tonnage by taking 475,985 gallons, valued at \$538,416, or four-fifths of her total purchases for the year 1922. Argentina's requirements have gained.

Foreign sales of wood turpentine fell off during the first six months of 1923 from 264,608 gallons, with a valuation of \$207,177 in January-June, 1922, to 168,982 gallons, with a valuation of \$195,898 in January-June, 1923, while wood tar and pitch improved from \$36,997 to \$132,798. In addition \$156,202 worth of turpentine substitutes were sent to foreign countries.

Jardine, Matheson & Co., Ltd., Shanghai, China, with offices in New York, have prohibited the employment of boys under 10 and girls under 12, in the company's mills in China. It is estimated that 12,000 children are employed in factories in the foreign settlement of Shanghai.

During the first six months of 1923, exports of linseed oil advanced 32 per cent in quantity and 53 per cent from 1,230,604 pounds, with a valuation of \$145,135, to 1,633,059 pounds, with a valuation of \$222,458, or two-thirds of the total valuation of the 1922 shipments.

Checks amounting to \$237,000 in Procter & Gamble profit-sharing dividends have been mailed to workers in Cincinnati and elsewhere. The checks covered the employees' earnings in the last six months under the profit-sharing plan adopted by the company in 1887.

Cook Paint & Varnish Co., Kansas City, Mo., is completing a third unit of its plant, which will have a daily capacity of 2,500 gallons. Investment of \$300,000 is planned.

ROSIN & TURP EXPORT OWNERS CHANGE

Rosin & Turpentine Export Co., a subsidiary of the American International Corp., has completed the liquidation of its stocks, and ceased to function under its former ownership on Aug. 15. The company has been operated at a profit during its six years of life, despite the conditions that prevailed in 1920-21, and has paid into the parent company cash dividends of \$500,000 and is turning back cash of over \$700,000, together with other assets that make up substantially the original paid in capital of \$800,000. E. S. Nash, president, is now formulating plans to continue the company under new ownership.

J. V. Apablaza, who has located a deposit of clay near Barstow, Cal., and who has developed a process for the filtration and decolorization of vegetable oils, was a recent visitor at San Francisco, to arrange for storage and shipping facilities. It is claimed that by the use of Bleaknite, as the new clay is called, coconut oil, cottonseed oil and oils from Oriental beans can be clarified and made fit for human consumption at a low cost.

American Cotton Oil Co. is readjusting its affairs under the direction of its new president, George K. Marrow. Economizing on selling facilities alone is expected to save \$1,000,000 annually for the company. New plans for operation not including the recapitalization are looked for by the end of August. Last year the company lost over two million dollars.

G. Amsinck Import Corp., New York, a newly organized company, will take over the import business of G. Amsinck & Co., who will eventually become a holding company, and will entirely own the new company. The overdue accounts of the old company in South America are approximately \$3,500,000, of which from 15 to 25 per cent is due from firms in West Indies and Central America.

U. S. VARNISHES PREFERRED IN CHILE

Chile imported stiff paints, white and colored, in large quantities, in 1920, total imports amounting to 2,470 tons, of which 1,986 tons came from Great Britain and 460 tons from the United States. The paint trade is a seasonable one, the paint being sold for arrival in June. A certain amount of white lead is being ground in oil in local factories, but the quality of this paint is not equal to that of the imported. Stiff paints are usually imported in drums of 11 kg. weight.

Prepared paints are imported to a limited extent only, and the trade in this article is almost entirely in British hands. Imports from the United States amounted to only 76 tons as compared with 243 tons from the United Kingdom. Prepared paints are usually sold in one and 2-pound tins, the sale for the seven and 28-pound tins being very limited.

Varnishes of all kinds, flattings, carriage, are imported principally from the United States in gallon and half-gallon tins. Of the 172 tons imported during the year, 116 were from the United States, 49 from the United Kingdom, and four from Germany.

The importation of white lead is on surprisingly small scale. White zinc is preferred because white lead is considered to be susceptible to adulteration by the addition of talcum and whitening, whereas any adulteration of white zinc would be disclosed by the color.

Imports of zinc white by countries: United States, 85 tons; Sweden, 16 tons; Belgium, 13 tons; Great Britain, 11 tons, and Germany, 10 tons; all countries, 144 tons. Zinc white is imported in drums of 11 kg., and is also made to a certain limited extent locally, by galvanization.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 424

ANTIPYRINE AND QUICKSILVER LOWER

Owing to Competition and Small Demand, Respectively
—Japanese Camphor Eases Off—Formaldehyde Lower
—All Grades Glycerin Higher—Largest Holder of
Menthol in Japan Reported Firm—Santonin Quoted
Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined	
	Today	Last	Today	Last
Acid, Tartaric, Dom., 1½c lb.			Camphor, Jap. Slabs, 2c lb.	
Antipyrine, 10c lb.			Formaldehyde, ½c lb.	
			Mercury, \$1.50 flask	
Trend of the Market				
	Today	Last	Year	Pre-War
Acetanilid	\$32	\$32	\$30	\$20
Acid Citric, Imp.	50½	50½	51	44½
Caffeine Alkaloid	3.65	3.65	3.75	18.00
Calomel, American	1.25	1.25	1.25	.94
Camphor, Jap., ref. ....	.85	.87	.87	.82
Iodine, Resublimed	4.55	4.55	4.55	4.20
Menthol	9.65	9.75	9.75	6.25
Potassium Bromide, Cryst. ....	.25	.26	.26	.23
Quinine Sulfate, Imp. ....	.40	.40	.40	.50
Sodium Salicylate .....	.40	.40	.47	.36
Strychnine Sulfate .....	.84	.84	.84	.76
Average	2.07	2.08	2.09	1.67

Little activity has been shown during past week in the fine chemical market. Mid-summer dullness has manifested itself on spot with most attention being paid to Fall needs. The trend of prices is more downward than upward. This is due primarily to the continued very keen fight for new business as it comes into the market, and the subsequent shading which naturally results under such conditions. However, prices on the whole are holding steady and the attitude of sellers will probably adjust itself in the near future in keeping with a more stable market. Stocks as a whole are not heavy except in a few items which under ordinary seasonable demand would in all probability show some firmer levels. Lack of real confidence on the part of buyers, holds sales down to immediate requirements in spite of the large number of staples which are quoted below cost of production. Easier quotations are still appearing on spot from foreign markets due mostly to the lower exchange rates. Menthol is firm although a "bearish" element is active. Antipyrine is lower. Formaldehyde is in good supply. Glycerin is higher. Mercury is lower.

Acetanilid—Quiet and unchanged at 32c@33c lb. spot by makers and 31c lb. by second hands.

Acid, Acetylsalicylic—Makers report little business being done at 75c lb. spot. Resales unchanged at 75c lb. spot.

Acid, Carbolic—Two distributors of small subdivisions have reduced prices and now quote as follows: 112 lb. drums, 34c lb.; 25 lb. tins, 36c lb.; 5 lb. tins, 39c lb.; 1 lb. bottle, 43c lb.; and 1 lb. liquid, 42c lb. spot. While some others are slightly higher than these quotations, it is expected that the new levels will be general in a few days.

Acid, Citric—Reported weak at 50½c@51½c lb. spot for imported and 49c@50c lb. spot by makers with possibility of lower prices on firm offer. Stocks are said to be ample with tendency for accumulation. London states that market there is still suffering from weak

holders. Shipment is easy at 33c@34c lb. c.i.f. New York owing to pressure to sell and lower exchange.

Acid, Salicylic—Unchanged at 35c lb. spot by makers and resales named at 35c lb.

Acid, Tannic—Quoted at 83c lb. for powdered U.S.P.

Acid, Tartaric—Domestic makers have reduced price and now quote 36c lb. spot owing to light demand and accumulation of stocks. Imported unchanged at 34c@34½c lb. spot.

Alcohol—All grades firm and in good demand. No. 1 specially denatured quoted at 38c@40c gal. for drums, and No. 5 completely denatured at 37c@39c gal. for drums. The trade is expecting higher figures, but not in the immediate future.

Alolin—Quoted firm at 87c@90c lb. spot with tendency to hold at these levels.

Amidopyrine—Unchanged at \$4.75@\$5.00 lb. spot with some firms holding to \$5.00 lb. inside. Position is weak although replacement is still high.

Antipyrine—Has declined and now quoted at \$2.60 @ \$2.75 lb. spot owing to keen competition and small demand. One house is inside at the maximum quotation.

Bismuth Subnitrate—Makers unchanged at \$2.90 lb. with resales named at \$2.70 @ \$2.75 lb. spot.

Camphor—Japanese 2½ lb. slabs quoted lower at 85c @ 86c lb. spot owing to easier shipment and small demand. Domestic makers unchanged at 96c lb. for barrels.

Castor Oil—Lower on spot at 13½c lb. for barrels and 14c lb. for cases.

Cream Tartar—Imported generally quoted at 25c @ 25½c lb. with possibility of doing 24¾c lb. in limited quantities. Domestic makers unchanged at 26½c lb. Foreign markets are holding firm.

Formaldehyde—Declined and now quoted at 14c lb. for c/1 at works with resales at 13½c lb. spot. Demand at the moment is reported at a standstill.

Glycerin—C.P. has advanced and now quoted at 17c @ 17½c lb. spot for drums owing to absorption of large supplies from the European market and also to more activity on spot. Dynamite is quoted at 16c lb. f.o.b. shipping points by dealers in the West as well as in the East.

Hydroquinone—Quoted easy at \$1.25@\$1.30 lb. spot as to quantity.

Menthol—Although "bearish" reports are coming out of Japan, a good authority stated that the largest holder would not shade \$9.35 lb. c.i.f. New York. Outside of the big holder, it is reported that there are only about 100 cases distributed among four dealers. Too much stress is laid on the early crop reports, as this harvest amounts to only 1/6 of the total yearly production, according to advices in the trade. Quoted at \$9.65 lb. for case lots and \$10.00 lb. for less, and 25 case lots at \$10.00 lb.

Mercury—Rumors were heard early in the week that Spain was expected to stiffen up, but toward the end of the week this rumor was suddenly dispelled by London reducing their figures to £9 5s flask. In sympathy with the new quotation spot has been reduced and is now quoted at \$64.00@\$65.00 flask.

Papain—Unchanged and steady at \$2.15@\$2.25 lb. spot.

Podophyllin—Quoted firm at \$5.50@\$6.00 lb. spot with

possibility of higher prices owing to strength of raw material, which is being offered in the country in very small quantities.

Potassium Permanganate—Unchanged and steady at 17c@18c lb. with some dealers holding at maximum as inside.

Resorcinol—U.S.P. quoted lower at \$2.15@2.25 lb. spot owing to small demand.

Santonin—Official prices from London agents as received by cable are as follows: 100 kilos at £50 5s per kilo and 5 kilos at £66 5s per kilo, or \$104.00 per pound and \$138.00 per pound, respectively. The American agents state that they will be in a position to quote spot goods some time during the current month.

Sodium Benzoate—Firm and in good demand at 65c lb. spot.

Plant of New Orleans Industrial Alcohol Co., Westwego, La., was recently sold at a sheriff's sale. The plant was bid in by Purnell M. Milner, president of the company, for \$61,000.

American Pharmaceutical Ass'n. will hold its 1923 convention at Asheville, N. C., Sept. 3 to 8. Headquarters will be at the Kenilworth Inn. Arrangements have been made for special trains from Chicago to leave Sept. 2 at 10:10 A.M.

Narcotics cannot be imported into Mexico except by the Public Health Dept. of the Government according to a ruling of July 28, says a dispatch to the U. S. Dept. of Commerce. Formerly responsible pharmacies legally established were allowed to import these drugs after securing a permit from the Department of Health.

Freeport Texas Co. reports a surplus of \$544,056, after interest charges, taxes and depreciation, the equivalent of 74 cents a share earned on the no par value capital stock for the six months ended May 31, 1923. The company reported a deficit of \$85,960 in the same period of 1922.

Regarding salicylates, Merck's Price List for August says: "In line with the weaker position of the basic material—phenol—prices for the salicylates were recently reduced. Their future course is dependent on the action of the carbolic acid market, but it is not thought likely that any further reductions will occur in the near future."

U. S. Industrial Alcohol common stock is commented upon by the "Wall Street Journal," as follows: "Statements made from time to time that Rockefeller interests held a great deal of U. S. Industrial Alcohol common are borne out by the estate of W. G. Rockefeller which reveals holdings of 17,300 shares out of a total of 240,000 shares. Other Standard Oil interests are also large holders of Alcohol. It has been claimed that this group can easily muster together a majority of the common."

During the first half year of 1923, the foreign demand for American medicinal and pharmaceutical preparations continued the expansion registered in 1922, having gained 30 per cent over the first half of 1922, and representing three-quarters of the total shipments made in the twelve months of 1922, figures for which were \$9,770,665 in 1923. Sales of both quinine sulfate and other salts of cinchona, and of anti-toxins, serums, and vaccines, dropped from \$164,022, and \$214,507 during the period January-June, 1922, to \$104,962 and \$148,855, in the period January-June, 1923, while the increase appeared in the class "other medicinal and pharmaceutical preparations," which rose from \$7,134,247 in 1922 to \$8,297,797 in 1923.

SANTONIN REDUCTION CONFIRMED

Hoffman-La Roche Chemical Works, New York, through its treasurer, Elmer H. Bobst, announced receipt of a cable from their European house at Basle, stating that the official price of Santonin has been reduced by the Soviet distributors to £60 per kilo in 100 kilo lots, ranging to £66 in five kilo lots. Mr. Bobst stated that this expected reduction was the culmination of a year's fight by the New York house for a substantial cut.

A cable to DRUG & CHEMICAL MARKETS from London named £50 5s up to £66 5s as the price range. This range, however, appears too wide and the figures announced by Hoffman-La Roche look to be in line under the circumstances. Confirmation of the cable figure of £50 5s had not been received upon going to press.

REPORT ON TARIFF FACTS SEPT. 1

Washington, Aug. 14.—Reports on manufacturing costs abroad of oxalic acid, barium binocide, sodium nitrite, and diethylbarbituric acid will be made by C. R. De Long, chief of the chemical section, U. S. Tariff Commission on his return to Washington about the first of next month. Although many cost figures are already in the hands of the Commission, the latter will undoubtedly await the full reports from Mr. De Long before taking up appeals for revision of duties in these products. He has been investigating costs abroad for several months. An appeal for an advance in duty on logwood extract has been received by the Commission from American makers.

CHINA HAS TWO CHEMICAL SOCIETIES

China has only two chemical associations where papers on technical and business matters are discussed, and professional and commercial interests meet. They are the Shanghai Chemical Society, Shanghai, and the China Society of Chemical Industry, Peking. Periodicals which give more or less attention to chemical and pharmaceutical matters are "Dung Dai Medical Journal," monthly, Chinese medicines; "Dung Chi Monatsschrift," monthly, Chinese medicines and technical matters; "National Medical Journal of China," quarterly, English and Chinese, medicine; "The Journal and Proceedings of the China Society of Chemical Industry," quarterly, Chinese, industrial chemistry; "The Chinese Chemist and Druggist," monthly, Chinese, medicines; "The China Journal of Science and Arts," bi-monthly, English, with a supplement devoted to chemical matters.

Firm in South Africa, producing white arsenic, wishes to make connections with American importers, writes Trade Commissioner P. J. Stevenson, Johannesburg. Further information may be obtained by addressing Chemical Division, Bureau of Foreign and Domestic Commerce, referring to file No. CTN-4.

Brocalsa Chemical Co., Pomeroy, O., has acquired the local works of Buckeye Salt Co., and is planning for extensions and improvements to double the present output. The property was acquired at public sale for \$164,000.

Polish excise tax on matches was increased June 27, from 80 to 120 marks per box of not more than 60 matches, according to Consul General L. J. Kenna, Warsaw.

H. J. Baker & Bro., New York, have recently opened a branch office in the Atlanta Trust Building, Atlanta, Ga. with L. M. Bogle in charge.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 441

AGAR AGAR HIGHER AND RHUBARB LOWER

Owing to Scarcity and New Arrivals, Respectively—
Cascara Sagrada Offerings Withdrawn—Balsam Tolu
Scarce—Mandrake Root Higher—Spanish Saffron
—Lower—Cloves Active—Senna Siftings Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aconite, Root, 5c lb.	Cascara Sagrada, 1/2c lb.
Agar Agar, 5c lb.	Clover Tops, 2c lb.
Balsam Tolu, 35c lb.	Mandrake Root, 2c lb.
Declined	
Balm Gilead Buds, 6c lb.	Jaborandi Leaves, 2c lb.
Caraway Seed, Dutch, 1/2c lb.	Linden Flowers, 2c lb.
Chamomile Flowers, Hung., 1c lb.	Rhubarb, 3c lb.
Elder Flowers, 2c lb.	Saffron Flowers, Spanish, \$1 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$30	\$38	\$38	\$22	\$90	\$12
Buchu Leaves, Short	.90	.90	.95	1.06	4.00	.85
Cantharides, Russian	1.75	1.75	1.75	3.60	9.00	2.10
Cocculus Indicus	.03 1/4	.03 1/4	.03 1/4	.04	.85	.03
Ergot, Spanish	.51	.51	.52	1.08	4.50	.54
Insect Powder, pure	.55	.55	.60	.52	1.00	.28
Ipecac, Cartagena, powd.	1.90	1.90	1.90	1.80	4.50	1.35
Nux Vomica	.06 1/2	.06 1/2	.06 1/2	.07	.14 1/2	.07
Opium, gum	8.00	8.00	8.00	6.00	30.00	5.00
Rhubarb Root, H. D.	.40	.40	.40	.55	1.75	.15
Tragacanth, No. 1, ribbon	1.48	1.50	1.52	1.75	6.00	1.50
Wild Cherry Bk., thin nat.	.10 1/2	.10	.10 1/2	.09	.21	.07
Average	1.35	1.34	1.35	1.30	5.28	1.00

Although the market as a whole has not been any too active during the past week, scarce items, and the development of further scarcities on spot, have added a certain amount of interest among dealers. A realization that stocks are low brings sharp price advances, usually followed by the news that all supplies on spot have been cleaned out. Big business is not much in evidence and the attitude of buyers in general is still cautious. The appearance of scarcities shows that the market is being closely watched, as consumers take advantage of the cheap offerings. Of course the prominence of the more active items tends to make them stand out and overshadow the weaker elements. However, any improvement that occurs is only temporary, thereby causing the market to lack any sustained period of betterment. The refusal of importers here to cover themselves on many botanicals during the past six months or so due to the low price ruling on spot and to distressed goods, is now beginning to be felt to a certain extent in this market. Holders of cascara sagrada have temporarily withdrawn offerings. Rhubarb is lower owing to arrival of new supplies. Japan wax is higher. Mandrake root is scarce and higher. Spanish saffron flowers are lower. Agar agar is higher.

Aconite Root—Has advanced and now quoted inside at 50clb. spot.

Agar Agar—Higher at \$1.65lb. spot for No. 1 and \$1.53lb. for No. 3. Reports were heard that it is advantageous to buy on spot as shipment is named at \$1.25@1.33 c.i.f. New York. The present price is about three times what it should be, according to advices in the trade, and production has been curtailed to such an extent that shortage is always on hand.

Aloes—Curacao is lower at 8c@8 1/2clb. spot. Cape easy at 9c@10clb. spot.

Althea Root—Has declined and now quoted at 25c@

28clb. spot with possibility of shading this figure on firm business.

Anise Seed—Russian quoted at 16c@17clb. spot with one firm naming 19c@20clb. inside. Spanish is quoted to arrive at 23 1/2clb. Star has eased off and now quoted at 13c@14clb. spot.

Balm Gilead Buds—Quoted lower at 38c@40clb. spot owing to good sized stocks and keen competition for what business there is.

Balsams—Tolu has advanced and now quoted at \$1.85 lb. spot for limited quantities only. Little material is coming out of primary market. Last week saw 15 cases entered at New York. Oregon Fir in good supply at \$3.00@3.25lb. spot.

Buchu Leaves—Quoted steady with little activity at the moment at 90c@95clb. for bales and \$1.00@1.05lb. for less.

Calabar Beans—Inactive at the moment at 15c@18c lb. spot.

Caraway Seed—Dutch lower at 17c@18clb. spot with tendency to easier levels. African at 17 1/2c@18 1/2clb. spot.

Cardamom—Demand has eased off although prices remain unchanged at \$1.20@1.70lb. spot for bleached and \$1.05@1.15lb. spot for decorticated.

Cascara Sagrada—Predictions were heard in the trade that within three weeks this item would be selling for 20c@25clb. spot. On the other hand another factor stated that the "stage" has been "set" several times for a firmer market, but same never materialized. However, this situation may be the exception rather than the general rule. Some houses have withdrawn offerings until the situation can be more fully analyzed. Quoted on spot at 17clb. for 1922 peel. London cables state firmer market there.

Chamomile Flowers—Hungarian has eased off and now quoted at 10c@12clb. spot. Roman is still off the market.

Clover Tops—Has firmed up and now quoted at 19c@21clb. spot.

Cloves—Zanzibar quoted firm at 30c@33clb. spot owing to rapid reduction of spot supplies. Demand is active. Last week saw 250 bags entered at New York from Holland.

Dandelion Root—Quoted firm though in fair supply at 20c@21clb. spot.

Ergot—Quiet at 51c@55clb. spot as to origin and quantity. Recent London cables state easier market there.

Gentian Root—Quoted at 8 1/2c@9clb. spot with one firm holding at 9clb. inside.

Hops—Prime New York quoted higher at 25c@28clb. spot, and Pacific Coast at 22c@25clb. spot.

Insect Powder—Quoted unchanged at 55c@58clb. spot although demand has been more active during the past week.

Japan Wax—Higher at 15 3/4c@16clb. spot due to better inquiry and to previous low quotations when compared with replacement costs.

Kousso Flowers—Lower at \$3.00lb. spot.

Licorice Root—Russian whole quoted at 7 1/4c@8clb. spot and Spanish natural at 9c@9 1/2clb. spot. Although

18,140 bales were entered at New York, it is not expected to affect the market as this material is not used in drug trade.

Mandrake Root—Quoted higher at 20c@22clb. spot owing to scarcity here and also to small supplies coming out of the country. The trade expects higher prices.

Rhubarb—Whole has declined and now quoted at 40c@43clb. spot and powdered at 45c@48clb. spot due to recent arrivals and also to easier shipment figures.

Saffron Flowers—Spanish is lower at \$36.00@\$37.00 lb. spot although one factor reported that supplies here are none too plentiful. American unchanged at \$1.08 @ \$1.15lb. spot.

Senega Root—Spot is quoted at 60c@62clb. with September arrivals named at 59clb. If foreign demand be active in the near future, a much firmer position can be expected, as foreign buyers have not been in the market for the past two or three years, according to advices received in the trade.

Senna—Siftings scarce and firm at 12c@13clb. spot. Pods are reported off the market.

Vanilla Beans—Mexican whole quoted at \$9.50@\$10.50 lb. spot and cuts at \$6.25@\$6.50lb. spot. Last week saw 51 cases imported at New York. Bourbon named at \$4.50@\$4.75lb. spot. Rumors were heard that advances against deliveries were being made to curers of bourbon beans. This practice as carried on in Mexico has shown many disadvantages, according to factors in the trade.

"United Drug should do \$125,000,000 worth of business this year," said Louis K. Liggett, on his return from Europe recently. "We should do that much if business holds up, and I think it will. Our net sales from our 750 stores in Britain will amount to about \$42,000,000 and we should get about \$70,000,000 from our United States business, and six or seven million from our Canadian business. Our business both in England and America is running about 10% ahead of last year."

The average yearly exports of ginger from Hongkong are estimated, in a Department of Commerce report, at \$1,000,000, gold. About 45 per cent of this amount is shipped to England, 16 per cent to Australia, 15 per cent to Holland, 11 per cent to the United States, and the remainder chiefly to New Zealand, Canada, and India. Exports to the United States have increased gradually during the last five years.

Miss Annie Patterson, a graduate of the Department of Pharmacy, University of Maryland, who had held responsible positions with leading Baltimore pharmaceutical houses, died Aug. 4 in Baltimore. Miss Patterson was at one time connected with Chemical Manufacturing Co., Denver, Col.

Dr. Edward Plaut, president, Lehn & Fink, New York, will sail for Europe on the "Olympic," August 18. He is going on a business trip lasting six weeks which will take him through England, France and Germany.

Joseph Plaut, chairman, board of directors, Lehn & Fink, New York, returned last week with Mrs. Plaut on the "Aquitania" from Europe. He visited Switzerland, France, Germany, England and Scotland.

Miller Strong Drug Co., Buffalo, N. Y., operating a string of stores in eight cities of Western New York State, has been placed in the hands of receivers with assets of \$79,763 and liabilities of \$225,548.

Elmer H. Bobst, treasurer, Hoffman-La Roche Chemical Works, New York, will sail for Europe on Aug. 25 to be abroad until October.

Books of Trade Interest

CHEMISTRY OF UREA. By Emil A. Werner, M.A., Sc.D., F.I.C. Professor of Applied Chemistry in the University of Dublin. 199 pages, 8vo. Longmans, Green & Co., London. 1928.

An extensive bibliography of the chemistry of urea and cyanic acid is given in chronological order. While a good deal of the experimental work for which the writer is responsible has appeared in a series of papers published in the "Transactions of the Chemical Society" over a period of years, much new matter, particularly on the theoretical side, is presented in this work for the first time.

WOOD DISTILLATION. By L. F. Hawley, in charge, section of Derived Products, Forest Products Laboratory. 136 pages, 8vo. The Chemical Catalog Co., New York. 1923.

The two very distinct industries of hardwood distillation and resinous wood distillation have been kept entirely separate in this monograph. The engineering phase of the subject is only occasionally discussed, but is believed to be of interest to the chemical engineer as it gives fundamental information on the chemistry of the process.

VAT COLOURS. By J. F. Thorpe, C.B.E., Professor of Organic Chemistry in the Imperial College of Science and Technology, England, and C. K. Ingold, D.Sc., Lecturer in Organic Chemistry in the Imperial College of Science and Technology. 458 pages, 8vo. Longmans, Green & Co., London. 1923.

Indigo, by far the most important and valuable coloring matter the world has known, was, up to the closing years of the last century, the sole representative of the vat series of coloring matters of commercial importance. Later, the production of new types of compounds, notably from anthraquinone, placed the vat dyes in the fore-front of the synthetic colors and at the present day they are the fastest, most brilliant, and most valuable of all the coloring matters.

FINANCIAL INCENTIVES FOR EMPLOYEES AND EXECUTIVES. By Daniel Bloomfield, of Bloomfield and Bloomfield, Consultants in Industrial Relations. Two volumes. 727 pages, 8vo. The H. W. Wilson Co., New York. 1923.

This work confines itself to the practical economics of average effort in a work-a-day world, and goes to the very core of employment practice and business relations. It discloses a variety of attempts to solve the key problem of adjusting work and pay on as satisfactory a basis as is possible.

THE THERAPEUTIC USE OF DIGITALIS. By G. Canby Robinson, Professor of Medicine, Vanderbilt University, Nashville, Tenn. 137 pages, 8vo. Williams & Wilkins Co., Baltimore. 1923.

The work presents facts regarding the more useful members of the digitalis group that may give the physician some idea of their history, properties, source, composition and relative potency. It also discusses some phases of the subject with the hope of correcting certain fallacies that appear to have a strong hold on the medical practice of today.

SOURCE-BOOK OF RESEARCH DATA. By New York University Bureau of Business Research. 70 pages, large 8vo. Prentice-Hall, New York. 1923.

In compiling this analytic list of statistical sources, the aim has been to cover the most important commodities from the standpoint of the value of the total output, as well as that of wide general use. It has been the object to include none but reliable sources and to give a representative list, which will cover all available data.

The Essential Oil Market

Current Spot Quotations of Essential Oils page 445, Aromatic Chemicals, page 446

OIL PEPPERMINT LOWER ON SPOT

Owing to Readjustment Between Seasons—Oil Caraway Lower—Oil Citronella Firm—Oils Orange and Lemon Quiet—Artificial Mustard Firm—New Crop Wormseed Offered \$5.00—Aromatics Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
No Advances		No Advances	
Oil Caraway, 25c lb.		Oil Peppermint, Nat'l., 5c lb.	
Oil Limes, Expressed, 5c lb.		Oil Spearmint, 5c lb.	
		Oil Wormseed, 10c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.65	\$2.65	\$2.56	\$3.60	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.71	.71	.70	.75	.92	.60
Oil Cloves	2.20	2.20	2.20	2.00	3.70	1.40
Oil Lemon Italian .....	.75	.75	.75	.66	4.70	2.00
Oil Peppermint, Nat'l.....	2.60	2.65	2.65	3.35	9.00	2.25
Oil Sandalwood, E. I.....	7.65	7.65	7.65	6.85	13.00	5.25
Oil Sassafras, Artif. ....	.45	.45	.45	.43	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.35	1.60
Coumarin	4.50	4.50	4.50	3.60	31.00	3.10
Methyl Salicylate, Cans....	.47	.47	.57	.41	1.00	.90
Vanillin .....	.40	.40	.41	.45	.95	.29
Average	2.18	2.18	2.18	2.11	6.83	2.05

Business in essential oils since the last report has been quiet owing to the holiday. Demand has been along routine lines with most trading confined to jobbing lots. Quotations on future deliveries of new crop oil have been coming in for the last few days at prices which as a rule are considerably lower than spot values. The exact status of the market is difficult to ascertain due to the narrowness of trading. Shading, although not quite so pronounced as some time ago, still tends to make two prices on certain items, one an inside and the other an open price. However, the market as a whole is sound, and if buying broadened out to any extent, prices would move to higher ground, according to advices in the trade. Speculation as to volume of new crops and their probable effect on spot prices are receiving a lot of attention by dealers. Oil peppermint is lower. Redistilled cassia is scarce and firm. Citronella, while generally quoted at 71c lb., can be obtained for 70c lb. Oil eucalyptus is firm and scarce with rumors of a short crop being heard. Oils of orange and lemon quiet with shipments easier owing to exchange. September delivery of wormseed is offered at \$5.00 f.o.b. country.

Essential Oils

Oil Amber—Unchanged and easy at 90c@\$1.00lb. spot for rectified.

Oil Anise—Spot supplies are ample with demand light at 52½c@\$55c lb. spot for U.S.P. The trade states that they would be thankful if shippers would not produce this item for the coming year in order to clear up stocks.

Oil Bergamot—Coppers are quoted firm though quiet at \$2.65@\$2.85lb. spot with one house holding at \$2.75lb.

Oil Caraway—Has eased off and now quoted at \$6.75@\$7.00lb. spot as to quantity and seller owing to near arrival of new crop. Some quarters predict further reductions as supplies increase on spot.

Oil Cassia—Redistilled scarce and firm at \$3.15@\$3.25

lb. spot as to quantity with one seller holding to \$3.25lb. inside. Small lots are coming out of China.

Oil Cedar Leaf—Quoted in good supply at \$1.05@\$1.10lb. spot with one house naming \$1.20lb. inside.

Oil Citronella—Ceylon generally quoted firm at 71c @72c lb. spot for drums with one firm naming 70c lb. Since it has been known that poor quality oil has been offered on the market, some factors in the trade are inclined to doubt the low quotation, as replacement goods will cost at least 70c lb. Java unchanged at 85c @87½c lb. spot.

Oil Cloves—Unchanged and firm at \$2.20@\$2.35lb. spot for cans with some houses holding to \$2.25lb. inside. No confirmed reports have been received as to the amount of new crop of spice. Latest reports varied by about 40,000 pounds.

Oil Eucalyptus—Rumors are heard that this year's crop will be small. Quoted firm and scarce at 55c@60c lb. spot for cases with few supplies coming out of primary market. Recent cables from London quote higher market.

Oil Geranium—Bourbon firm and unchanged at \$6.50 @6.75lb. spot with shipment named higher. African unchanged at \$8.00lb. spot. Turkish, \$4.75lb. spot.

Oil Lemon—Italian quoted easy at 75c@90c lb. as to seller and quantity. Shipment is softer owing to lower exchange. Supplies appear ample for present needs. One direction was heard to say that while this season has not been an unusual one, the volume of business transacted has been satisfactory. American unchanged at 75c@80c lb. spot.

Oil Limes—Expressed lower at \$1.65@\$1.70lb. spot. Distilled quoted at 85c@\$1.00lb. spot as to quality and seller.

Oil Mustard—Reports were heard that a large American manufacturer has discontinued making this item, thereby causing a firmer market on spot. Quoted firm at \$2.20@\$2.30lb. spot with possibility of higher prices.

Oil Nutmeg—Unchanged and easy at 90c@\$1.00lb. spot.

Oil Orange—Italian has been quiet for the past fortnight with shipments named easier owing to lower exchange. Quoted at \$3.60@\$3.90lb. spot as to seller and quality. Recent cables from London state easier market. Sweet West Indian named at \$2.60@\$2.70lb. spot. American quoted at \$3.15@\$3.25lb. spot.

Oil Pennyroyal—Imported firm and scarce at \$1.80 @1.90lb. spot with one firm holding at \$1.90lb. inside.

Oil Peppermint—Natural has declined and now quoted at \$2.60@\$2.70lb. spot owing to a readjustment of values between seasons. However, spot tends to hold up until more definite information is received in regard to new crop. Redistilled lower at \$2.80@\$2.90lb. spot.

Oil Petit Grain—Firm and scarce at \$1.75@\$1.85lb. spot for South American. Italian is also scarce at \$1.90 lb. spot.

Oil Sandalwood—Quoted easy at \$7.50@\$7.65lb. spot for East Indian.

Oil Spearmint—Has eased off and now quoted at \$2.45@\$2.55lb. spot as to seller.

Oil Wormseed—Spot quoted at \$6.90@\$7.15lb. with September shipment named at \$5.00lb. One factor

thought that the trade would be able to buy this item for \$6.25lb. within ten days.

Aromatic Chemicals

Benzaldehyde—U.S.P. unchanged at \$1.50@1.60lb. spot with FFC named at \$1.75@1.85lb. spot.

Coumarin—Makers report active inquiry. Unchanged at \$4.50@4.75lb. as to quantity with resales at \$4.35lb. spot.

Methyl Salicylate—Competition keen among makers at 45clb. for drums and 47clb. for cases.

Terpineol—Domestic steady at 52c@55clb. for drums and 95c@1.00lb. spot for imported.

Balsam—Tolu has advanced and now quoted at \$1.85 spot for limited quantities only.

REPORT ON LAVENDER AND PEPPERMINT

Reports on the lavender and peppermint crops of the Mitcham district from Stafford Allen & Sons, Ltd., W. J. Bush & Co., Ltd., and Hollands Distillery, Ltd., recently in the "Chemist and Druggist," London, show interesting contrasts. Stafford Allen & Sons said: "Lavender.—We have a fair acreage under cultivation, and the plants look healthy, although a good soaking of rain would now be most beneficial. The English oil is likely to be lower in price this season. There are very few farmers who find it pays them to grow this crop on an extensive scale nowadays. Peppermint—Early on this crop looked exceedingly promising, clean and healthy, but the continued abnormal drought has made the growth very short, and we had to commence distillation in July. This is the earliest harvest we can remember. The yield of oil per acreage is below the average, but the oil is sweet and of good flavor."

W. J. Bush & Co. said: "There is a very small acreage of lavender, and about half of the crop is going to be bunched for the market, consequently there will be very little oil for disposal. The condition of the plants may be considered as quite satisfactory. The peppermint crop looks quite good and the present spell of warm weather is having a markedly beneficial effect upon the plants, and they think that the yield of oil per acre will be well up to the average."

Hollands Distillery, Ltd., said: "Lavender is approximately the same as last year. The quality appears to be better. The bloom is abundant, and in fine condition. Distilling will commence about the end of August. The quality of the oil this season should turn out well. As regards the value of the lavender oil, we do not think there will be any fall. Price will be based on the yield, of course, but we do not anticipate a price below 100s per lb. Peppermint is commencing to bloom, and cutting will take place within the next week or two. The acreage is about 10 per cent larger than 1922 season. The young plants look healthy and strong, and should yield an average quantity of oil. Given a few weeks' sunshine during harvesting, we believe we shall have a fair yield per still of good quality oil. As regards price of the new crop, it is too early to say, but we think that a reduction from last year's figure is possible, and the price be in the neighborhood of 60s per lb. for true, genuine oil."

American Chicle Co. earned \$254,990 net during the first six months of 1923, equal to \$8.50 per share on the 30,000 preferred outstanding. The company had a combined deficit in 1921 and 1922 of about \$7,000,000.

Judgment for \$1,071.68 by the California Almond Growers' Exchange against Leo Feder, dated Aug. 3, 1923, has been satisfied.

During the past few weeks, importations of essential oils at New York have been light.

PERFUMERY FOREIGN TRADE GROWS

Value of Exports During First Six Months of 1923 Estimated at \$3,425,695

American perfumery, cosmetics and other toilet preparations to the value of \$3,425,695 were exported during the first six months of 1923, compared with \$4,736,946 worth in 1921, \$3,000,726 for the first six months of 1922, and \$3,308,674 for the last six months. The rise in the values of the individual items was unimportant (from 9 per cent to 15 per cent) except for perfumery, and toilet waters, which gained 37 per cent over the first six months of 1922, but this also may be due to the small amounts exported during that period rather than to large shipments in 1923. As a matter of fact the first six months of 1923 failed to reach the last six months of 1922 figure by 44,532 pounds, and \$1,569. Talcum and other powders received an impetus to their trade during this year, while dentifrices lost.

The following table shows the exports of the items by six month periods:

Perfumery and toilet waters

	Pounds	Value
Jan.-June, 1922	314,692	\$212,247
July-Dec. 1922	411,797	291,920
Jan.-June 1923	367,265	290,351

Talcum and other toilet powders

Jan.-June 1922	1,973,865	753,605
July-Dec. 1922	1,678,739	644,069
Jan.-June 1923	2,119,677	855,460

Creams, rouges and other cosmetics

Jan.-June 1922	1,033,178	448,908
July-Dec. 1922	1,038,085	517,225
Jan.-June 1923	1,039,313	515,214

Dentifrices

Jan.-June 1922	1,780,566	1,106,799
July-Dec. 1922	2,246,369	1,296,698
Jan.-June 1923	1,700,273	1,243,690

Other toilet preparations

Jan.-June 1922	895,254	479,167
July-Dec. 1922	953,809	558,762
Jan.-June 1923	896,497	520,980

CHIRIS WINS FREIGHT RATE APPEAL

Washington, D. C., August 17—The Interstate Commerce Commission has handed down a decision in case 13031 of the Antoine Chiris Co. against Southern Pacific Railway Co. et al. In their syllabus in this case the Commissioners say: "Rate applicable on imported brown camphor oil, in carloads, from San Francisco, Calif., to Delawanna, N. J., found unreasonable. Reparation awarded."

Foreign shipments of essential oils were reduced by 61 per cent in quantity, from 812,916 pounds, in January-June, 1922 period, to 313,080 pounds, in January-June, 1923, but increased in value 4 per cent from \$417,275 to \$435,834. These figures represent one-quarter of the quantity and one-half the value exported for the twelve months of 1922. Peppermint oils dropped from 70,122 pounds to 44,113 pounds and in value from \$137,165 to \$129,137.

Much inferior rose otto is expected to find its way to American markets this year, according to reports from Bulgaria where heat caused a too rapid development of the buds and short rose crop. The small yield will undoubtedly bring out much poor oil distilled independently by the peasants.

The Foreign Markets

Imports of Drugs and Chemicals, page 447

CASCARA SAGRADA HIGHER IN LONDON

Opium and Morphine Advance—New Santonin Prices Announced Lower at £50 5s per Kilo for 100 Kilos Up to £66 5s for Five Kilos—New Crop Ergot Easier—Cape Aloes Firmer

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Aug. 14—Cascara sagrada bark prices are again higher and stocks short in a generally quiet market. Opium and morphine prices have advanced. Balsam tolu continues to climb in price. Cape aloes are firmer.

New santonin prices have been announced officially lower at £50 5s per kilo in 100 kilo lots scaling upward to £66 5s per kilo in 5 kilo lots. New crop ergot is offered lower. Shellac futures are higher.

London, Aug. 6. (By Mail)—Business continues quiet but some progress has been made in several of our principal docks by the return to work of many men who had unofficially struck and it would appear that the strike is ending. Much loss has been suffered, however, by import cargoes being held up and in some cases transferred to foreign ports under charter party. Stocks of citric and tartaric acids have been accumulating and in view of a slack demand lower prices are anticipated. Rubber has advanced one penny per lb. and owing to the repeated advances in the price of zinc a sudden demand has cropped up for all zinc products. Eucalyptus oil is advancing and forward quotations for caraway seed oil and cassia oil are tending upwards. On the other hand menthol, potassium permanganate, sarsaparilla, Jamaica and ipecacuanha are easier to lower, carbolic acid crystals and salicylates are more enquired after at the late reduced prices and are decidedly firmer.

Production of ozokerite or mineral wax in Poland in 1922 amounted to 430 metric tons, of which more than 400 tons were exported to Germany, Austria and Czechoslovakia.

Exports from Siam to the United States during 1922 were valued at \$174,784, of which sticklac amounted to about \$100,000, compared with total imports of \$81,747 in 1921, according to Consul N. F. Dunlop.

Wages in Baden, Germany, have increased recently to such an extent that certain chemicals can be imported at a price lower than it would cost to manufacture them in Germany, according to German chemical dealers.

Firm in Bombay, India, wishes to export crude drugs to United States, writes Consul T. M. Wilson. Further information may be obtained by addressing Chemical Division, Bureau of Foreign and Domestic Commerce, referring to file No. 99730.

Exports of ginger from Hongkong average \$1,000,000 annually, of which the United States receives 11 per cent, England 45 per cent, Australia 16 per cent, and Holland 15 per cent, according to Consul Leroy Webber. The report further states that the new crop will be ready for shipment during August, but on account of disturbed conditions in South China, exporters are uncertain as to delivery of supplies.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)		\$4.886	\$4.568
France (franc)		.193	.056
Italy (lira)		.193	.042
Germany (mark) per hundred		23.80	.00003
Czechoslovakia (crown) per hundred		20.30	.029
Poland (mark) per hundred		23.80	.00004
Japan (yen)		.499	.488
Spain (peseta)		.193	.136
Holland (guilder)		.402	.393
Belgium (franc)		.198	.044
Switzerland (franc)		.193	.181
Sweden (crown)		.268	.265
Denmark (crown)		.268	.182
Argentina (peso)		.424	.375
Brazil (milreis)		.279	.101
China (Silver dollar—Hongkong)		.789	.520
(Tael—Shanghai, silver)		1.082	.696
(Tael—Peking, silver)		1.156	.723

Import duty on candles into Turkey is now 60 piasters (40 cents at present rate of exchange) per kilo. Increased demand for paraffin wax will probably result as the Turkish candle industry develops under this increased protection.

Germany is desirous of making arrangements with Russia, whereby the 5,563,000,000 tons of the latter's phosphate reserves, which average about 18 per cent phosphorus, would be converted to superphosphates on the ground, according to reports. Professor Pranishnikov, of the University of Moscow, is now in Berlin discussing the plan.

Calcium carbide is in demand in India. Total Ceylon imports for 1922 were 946 cwt., valued at 10,795 rupees, most of which came from Norway and Sweden. United States is not at present represented in the list of suppliers of this product. The import value is about 17 rupees per cwt., and the retail price is 22 to 25 rupees. Japan and Switzerland are reported entering the market, but the Japanese product is not considered good quality. Consumption amounts to about 50 tons annually.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country	Purchase or Agency
Asphalt, gilsonite	7369	Lwow (Lemberg), Poland	Purchase
Cobalt oxide	7359	Shanghai, China	Purchase
Enamels and metallic oxides	7356	Valparaiso, Chile	Purchase
Fats, animal and vegetable, technical greases	7390	Warsaw, Poland	Purchase
Guano, fish and bird	7361	Hongkong, China	Purchase
Paint, waterproof, for cement	7399	Rio de Janeiro, Brazil	Purchase
Paints and varnishes for automobiles	7362	Christiania, Norway	Purchase
Rosin	7369	Lwow (Lemberg), Poland	Purchase
Rosin	7377	Montevideo, Uruguay	Purchase
Rosin	7390	Warsaw, Poland	Purchase
Rosin	7415	Warsaw, Poland	Agency
Soda, caustic	7377	Montevideo, Uruguay	Purchase
Turpentine	7369	Lwow (Lemberg), Poland	Purchase
Drugs	7394	Athens, Greece	Agency

Leather Chemicals

MAKERS REDUCE FORMALDEHYDE; SODIUM PRUSSATE FIRMER

Competition in Bichromates Keeps Prices Unsettled—Menhaden Oil in Slow Demand—Sodium Sulfide Continues Weak—Logwood Extract Easier

Conditions in the market for leather chemicals have undergone little change during the past week. Buying is more or less spasmodic and confined to small quantities sufficient for actual requirements. Competition for the passing business is keen and prices are subject to shading here and there when firm orders are in sight. A little firmness has developed in imported yellow prussiate of soda and prices are now on a par with the domestic material. Bichromates are somewhat unsettled and quoted prices have been cut under the pressure of competition. Makers of formaldehyde have encountered a stagnant market and they have reduced prices below recent levels. Sodium sulfide continues weak with imported material in no demand and supplies plentiful. Imports of tanstuffs were liberal last week with 8,790 bags of quebracho, 1,079 bags of divi divi, and 13,390 bags of myrobalans. Logwood extract has been easier and subject to price cutting here and there. Oils are easier with lower prices in linseed and menhaden.

Acid, Acetic—Demand has been more or less routine and supplies in makers' hands are adequate for present requirements. Prices continue steady with 28% named at \$3.38@3.86 according to quantity in barrels at works; 56%, \$6.75@7.00; 70%, \$8.38@8.63; Glacial, \$12.78@13.53.

Acid, Lactic—Prices continue steady at recent levels with domestic makers controlling the situation. Demand is confined to actual requirements. Dark 22% named at 4½¢@5¢lb. and light 5½¢@6¢lb.; 44%, dark, 9½¢@10¢lb. and light, 11½¢@12¢lb.; 66%, 16¢lb.

Acid, Formic—Domestic material is practically off the market and imported is held at 12¢@14¢lb. with demand fair.

Arsenic—Red is in limited supply but sufficient for present requirements. Prices named at 15¢@15½¢lb.

Bichromates—Sodium bichromate is reported firmer at 7½¢@8¢lb. while potassium bichromate is unchanged at the recent decline. Competition between makers is keen and prices are subject to shading when firm orders are in view.

Epsom Salt—Unchanged at recent levels with makers quoting \$2.25@2.50 per 100lbs. for the U.S.P. Imported named at \$1.75@2.00. Technical at \$1.80@2.00 for domestic and \$1.00@1.10 for imported.

Extracts—Only moderate demand is reported and supplies are adequate. Prices are subject to shading in some quarters in order to move some stocks, though in general prices are well maintained. Imports of tanning materials have been coming in steadily. Liquid quebracho is finding a fair outlet at 3¼¢@4¢lb.; chestnut is quiet at 2¢@2½¢lb.; gambier, 8½¢@9½¢lb.; logwood is easy in some directions at 7¢@12¢lb.; myrobalans, 4¢@5¢lb. sumac, 7¢@9¢lb.

Formaldehyde—The market is stagnant and prices are easier with makers quoting carlots at 14¢lb. Resale lots are offered at 13½¢lb.

Potassium Prussiate—Shipment is named at 30½¢lb. while spot material is quoted at 34¢@35¢lb. for the yellow. The red is quiet at 63¢@65¢lb.

Soda Ash—Demand is reported steady and somewhat above the usual summer requirements. Recent increase in cost of production is said to have been offset by the steady. Makers name 58% at \$1.45@1.50 per 100lbs. in bags at works. Resale material is named at \$2.00 in increased production and prices have been holding bags and \$2.25 in barrels on spot.

Soda, Caustic—Domestic consumption continues steady and somewhat above the usual summer demand both on contract withdrawals and for prompt business. Export demand has also been active and most of the cheaper lots have been sold. Standard prices for export hold at \$3.25@3.30. Makers continue to quote contract business at \$3.16½ per 100lbs. for 76% solid in drums at works. Ex-warehouse business is named at \$3.40@3.70 according to brand and seller.

Sodium Prussiate—Spot prices for imported material are firm at 14½¢lb. and shipments at 14¢lb. Domestic makers quote 14½¢lb. with freight allowed.

Sodium Sulfide—Consumers are taking contract deliveries steadily but new business is reported quiet. Prices are inclined to be easy with imported as low as 3¢@3½¢lb. for solid and broken; crystals named at 2¼¢@2½¢lb. Domestic prices are holding at 4¢@5¢lb. for solid and broken; 4½¢@5¢lb. for flake, and 2½¢lb. for crystals.

Cod Oil—Buying is quiet though stocks are not large. The new catch of oil is soon expected in the market. Present prices for Newfoundland hold at 63¢@65¢ per gallon in barrels.

Linseed Oil—Crushers have reduced their prices to a basis of 97¢ per gallon in carlot quantities, and \$1.00@1.03 for smaller lots.

Menhaden Oil—Buyers are showing a tendency to hold off as long as possible in order to obtain lower prices. A few sales have been reported at 37½¢ per gallon but most sellers are holding out for 40¢ for the crude. Refined oils have an easier tone at 68¢@70¢ per gallon for the light strained and 70¢@72¢ per gallon for the yellow bleached.

The main cause of the present depression in the leather industry of Great Britain, as seen by the Hide and Leather Division of the Department of Commerce, is the financial chaos on the Continent. Other causes are the disappointing state of the home trade as a result of the decreased spending power of the workers on account of either short time employment or lack of it altogether.

OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see the general market reports on the thirteen preceding pages. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on fifth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Paper Chemicals

CASEIN IN TARIFF HEARING: FARMERS OPPOSE DUTY REDUCTION

Lower Duty Sought by Paper Makers—Chlorine and Bleaching Powder Prices Unsettled—Rosin Prices Decline—Summer Dullness Pronounced

The casein hearing before the Tariff Commission was the most interesting feature in the market for paper chemicals. Paper makers have been seeking a reduction in duty and their application was duly considered at the hearing this week. The application was strongly opposed by domestic milk producers. A full account of the hearing will be found on page 409 of this issue. Midsummer dullness is pronounced in the market and little of interest is going on. Competition for the passing business is keen as ever and this lends a little activity to an otherwise routine market. Bleaching powder appears to be quite plentiful and is being offered well below recent quotations by manufacturers. Chlorine is also coming in for considerable price discussion. Other chemicals in the list are dull. Rosin prices are slightly lower in inactive markets. Salt cake supplies are small but demand is not pressing.

Acid, Muriatic—Demand is normal for this season of the year and contract withdrawals are reported steady though not as large as earlier in the year. Prices are unchanged at recent levels with 20° acid at \$1.00@ \$1.10 in tanks at works and \$1.25@ \$1.50 in carboys; 22° held at \$1.75@ \$2.00 in carboys at works.

Acid, Sulfuric—Summer demand is reported as normal and somewhat below the usual demand. Makers continue to quote recent prices with 66° named at \$15.00 @ \$16.00 ton in tanks at works and \$1.25@ \$1.50 in carboys; 60° is holding at \$9.00@ \$10.00 ton in tanks; drums, 60c@ 90c. Oleum is in light supply but demand is not pressing. Prices range from \$18.00@ \$19.00 ton in tanks and \$1.50@ \$1.75 in drums at works.

Aluminum Sulfate—Demand continues moderate and limited to immediate requirements. Competition has resulted in shading of prices though makers are quoting \$2.25@ \$2.40 for the iron-free. Commercial is held at \$1.40@ \$1.50. Imported iron-free named at \$2.25.

Blanc Fixe—Domestic producers are holding prices at \$75.00@ \$80.00 ton at works while imported material is named at \$70.00@ \$72.00 ton. Pulp quoted at \$50.00@ \$55.00 ton. Demand is lacking.

Bleaching Powder—Owing to active competition and the season of the year, prices are inclined to be easy. Makers are quoting \$1.75 at works while as low as \$1.50 is possible in some directions. Spot material is available at \$2.00@ \$2.25 per 100lbs.

Casein—The result of the hearing on casein is reported elsewhere in this issue. Demand is reported fairly steady at prevailing prices of 14c@ 16c/lb. for imported and 16c@ 18c/lb. for domestic. Imports at New York last week were 602 bags.

China Clay—Paper makers are only taking their contract deliveries and new business is slow. Prices are holding steady at \$10.00@ \$15.00 for domestic material according to quality and \$16.00@ \$22.00 for the imported variety.

Chlorine—Makers are quoting the regular schedule of prices but active competition in this field makes the market unsettled. Carlots and tanks are named at 5c @ 5½c/lb. and cylinders from 6c@ 9c/lb. according to quantity and location.

Salt Cake—While stocks are still somewhat limited demand has not been large enough to cause a shortage. Producers are quoting at \$24.00@ \$27.00 ton.

Satin White—Makers are holding prices steady at 1½c/lb. Demand at present is confined to actual needs.

Sodium Silicate—Nothing exciting in the market with buyers taking only enough to carry them along. Prices are steady with 40° on spot at \$1.30@ \$1.40 in drums; tanks at 70c per 100lbs.; 60° material quoted at \$1.70 @ \$1.90.

Sulfur—Prices are unchanged with crude in bulk at \$19.00 in carlots f.o.b. New York and \$14.00@ \$15.00 at mines.

Rosin—Demand has been inactive in both local and Southern markets. Prices have yielded slightly with reductions of 5c per barrel. B, \$5.75, D to K, \$5.95, M, \$6.00, N, \$6.25, WG, \$6.25, WW, \$7.25.

A report issued by the Canadian Pulp and Paper Association shows that exports of pulp and paper in June were valued at \$12,368,456. This is an increase of \$809,772 over the previous month, and is the second highest total for the year. The figures for the first three months of the current fiscal year show a considerable improvement over those for the corresponding three months in 1922. For April, May and June of this year the total pulp and paper exports were valued at \$33,324,612, as compared with a total of \$25,548,065 for the corresponding three months of 1922.

Paper mills on a large scale could be maintained in the South, according to Arthur D. Little, president, Arthur D. Little, Inc., Cambridge, Mass., who recently stated: "The permanency of a paper industry, when once established in the South, can be ensured by reforestation with rapidly growing trees like loblolly pine, and even more securely in the Gulf States by plantings of bamboo, which is incomparably more productive than any wood and which yields a fiber ideal for paper-making."

Exports of paper for June, 1923, exceeded the March record by more than \$100,000, according to the Department of Commerce, the total tonnage being 15,314,302 pounds, valued at \$2,434,313, or nearly 15 per cent greater than the corresponding figure for June, 1922. With the exception of newsprint all other items increased in value for the same month last year. Paper board and strawboard increased in tonnage over June last year.

Indiana Board & Filler Co., Vincennes, Ind., will build a pulp mill at Memphis, Tenn., estimated to cost \$500,000.

OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Rubber Chemicals

RUBBER CHEMICALS IN LIGHT DEMAND; MAKERS PREPARE FOR FALL TRADE

Benzene Easy in Sympathy With Gasoline—Methyl Acetone Active and Scarce—Acetic Acid Steady—Acetone Firm—Imports of Talc Heavy—Carbon Black Active for Export—Hexamethylene Quiet

Importers appear to be taking advantage of favorable foreign exchange rates as arrivals of compounding materials increase. Sales of chemicals have been restricted to small parcels with round lot orders the exception rather than the general rule. Business as reported by some local chemical dealers is active, as is usual for this time of the year, when needs are limited and large sellers are not inclined to follow up small orders. Although prices are at low levels, they have not dropped this week when considered as a group. Some say that the generally stagnant market is the cause of dullness, while others state that the refusal of sellers to shade prices. Acetic acid is unchanged and quiet. With the recent sharp reductions of gasoline in the Mid-west, it is thought in the trade to be only a question of time when the East will follow suit, and correspondingly lower prices may follow in benzene. Inquiry for carbon black is active, especially for export. Acetone and methyl acetone are scarce and firm.

Acid, Acetic—Demand has been more or less routine and supplies in makers' hands are adequate for present requirements. Prices continue steady with 28% named at \$3.38@3.86 according to quantity in barrels at works; 56%, \$6.75@7.00; 70%, \$8.38@8.63; Glacial, \$12.78@13.53.

Aniline Oil—Makers are unchanged at 16clb. for tanks at works and 16½clb. for drums. Resale market is more active with holders naming 16½c@17clb. spot. Most business was transacted last week in small lots, and as one seller said, "We have no reason to complain providing they come back often."

Acetone—Firm and strongly held at 30c@32clb. spot for C.P., and 25c@25½clb. for drums at works. Methyl is also firm and scarce at \$1.15@1.20 gal. as to quantity.

Antimony Sulfide—Quoted quiet at 19c@20clb. spot for golden and 38c@39clb. for crimson. Consumption has been slow and buying is more or less routine.

Benzene—Lower prices are likely, according to advices in the trade. With the "price war" on between manufacturers of gasoline, a spread to this item is looked for in view of the heavy accumulation of stocks and the practically negligible export demand. Quoted easy at 23c@25c gal. at works for 90 per cent material and pure at 25c@28c gal.

Blanc Fixe—Unchanged at 4c@4½clb. f.o.b. New York, and pulp at \$40@50 ton.

Carbon Black—Inquiry for export has been on the increase during the past week. Consumption of spot goods is along routine lines at 18c@20clb., and contracts at 16c@17clb. at works.

China Clay—Demand active for imported material at \$18@24 ton as to quality and domestic at \$13@20 ton f.o.b. at points of production.

Diphenylguanidine—Quiet at \$1.15@1.20lb. spot as to quantity.

Hexamethylene—Makers report demand along routine lines at 95c@97½clb. spot as to quantity.

Talc—Inquiry active at \$15@18 ton f.o.b. works. French, \$20; high grade French, \$40; and Italian, \$47@58 ton as to quality. Last week saw 3,200 bags imported at New York from Italy.

NATIONAL ANILINE WINS PATENT SUIT INVOLVING USE OF DIPHENYLGUANIDINE

Circuit Court of Appeals Decides Experiments of G. D. Kratz Preceded Patent Application by Weiss—Product Used as an Accelerator in the Rubber Industry

In the suit of Dovon Chemical Corp. against National Aniline & Chemical Co., the U. S. Circuit Court of Appeals has reversed the finding of the District Court which decided in favor of the Dovon company, in January last, on a claim of infringement of patent for the manufacture of diphenylguanidine, used as an accelerator in the rubber industry. The suit was brought under Weiss patent No. 1,411,231 owned by Dovon Chemical Corp. The decision of the District Court upheld the patent and a decree for the plaintiff was ordered. National Aniline & Chemical Co. appealed, and the case was remanded to the District Court on July 19 with directions to dismiss the bill with costs.

The evidence at the first trial was in effect that Twiss in England had used guanidine carbonate and amino guanidine as accelerators and published the fact in the "Journal of the Society of Chemical Industry" several years ago. A paper was read by G. D. Kratz, September, 1919, before the Rubber Section of the American Chemical Society, in which he stated the reasons why D. P. G. was a better accelerator than T. (Tri) P. G. The disclosure was made more than two years before the date of application by Weiss, but publication was delayed until June, 1920, on account of the printers' strike. Kratz testified to experiments with D. P. G. in 1916 and to making a few inner tubes in 1917.

The Circuit Court Judges said: "We hold the Kratz essay to be a complete disclosure of everything in the application. Therefore Weiss is not the first, sole, true, and original inventor" as the law requires the applicant must be. Further they say: "We do not believe that anyone seriously regarded D. P. G. as a preferable accelerator before the reading of the Kratz paper, because he was the first to give comparative figures. Further, when we perceive how closely his acts in 1916 correspond with his essay of 1919 we believe his evidence, though uncorroborated, and this is more than Weiss even claims to have done before the application was filed. Dr. Kratz and his associates were ahead of him at every step and they were the inventors."

Imports of crude rubber for the fiscal year 1922, which ends with June, 1923, aggregated 798,000,000 pounds, valued at \$169,000,000 compared with 568,000,000, valued at \$87,000,000 in 1922. The imports from the four leading crude rubber sources during 1923, as compared with 1922, were as follows: British East Indies, 548,000,000 pounds, valued at \$113,000,000, against 380,000,000 at \$57,000,000; Dutch East Indies, 113,000,000, at \$23,000,000, against 73,000,000 at \$12,000,000; United Kingdom, 76,000,000 pounds at \$21,000,000, against 63,000,000 at \$10,000,000 and Brazil, 31,000,000, at \$5,000,000, against 21,000,000 at \$3,000,000.

ELLIS JACKSON & COMPANY

18 NO. FRONT STREET

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Foreign Department

29 BROADWAY, NEW YORK

GLASS, SOAP, PAPERMAKERS, TEXTILE and FERTILIZER SUPPLIES



25 BROAD STREET
NEW YORK CITY

OXALIC ACID

Tri-Sodium Phosphate
Phosphoric and Formic Acids
Phosphate of Soda
Epsom Salts
Ammonium Phosphate

VICTOR CHEMICAL WORKS
FISHER BUILDING
CHICAGO

Textile Chemicals

DOMESTIC MANUFACTURER ANNOUNCES ADVANCE IN PRICE OF INDIGO

Increase of 4clb. Due to Higher Costs of Production— Bleaching Powder Still Easy—Alkalis in Steady Demand—Bichromates Unsettled

The announcement of an advance of 4clb. in the price of indigo was the most important feature in the market for textile chemicals. Increased costs of raw materials, and consequently higher costs of production, are stated to be the reasons for the advance. Other items in the list were without any special feature of interest. Mills throughout New England are reported closed or operating at reduced capacities and are therefore not taking their usual requirements in chemicals. Prices of basic chemicals such as acids and alkalis are holding firm while bichromates, bleaching powder, prussiates and a few others are somewhat unsettled. Imported sodium sulfide continues weak while domestic material is fairly steady. Glauber's salt is firm on limited supplies of domestic material though imported is quite plentiful. Caustic potash is firm with shipment prices tending higher. Starches and dextrines are steady.

Acid, Acetic—Demand has been more or less routine and supplies in makers' hands are adequate for present requirements. Prices continue steady with 28% named at \$3.38@3.86 according to quantity in barrels at works; 56%, \$6.75@7.00; 70%, \$8.38@8.63; Glacial, \$12.78@13.53.

Acid, Oxalic—Domestic prices are inclined to be easy at 12½clb. at works and 12½clb. on spot. Imported material is offered at 12½c@13clb.

Acid, Sulfuric—Summer demand is reported as normal and somewhat below the usual demand. Makers continue to quote recent prices with 66° named at \$15.00@16.00 ton in tanks at works and \$1.25@1.50 in carboys; 60° is holding at \$9.00@10.00 ton in tanks; drums, 60c@90c. Oleum is in light supply but demand is not pressing. Prices range from \$18.00@19.00 ton in tanks and \$1.50@1.75 in drums at works.

Bleaching Powder—Owing to active competition and the season of the year, prices are inclined to be easy. Makers are quoting \$1.75 at works while as low as \$1.50 is possible in some directions. Spot material is available at \$2.00@2.25 per 100lbs.

Epsom Salt—Unchanged at recent levels with makers quoting \$2.25@2.50 per 100lbs. for the U.S.P. Imported named at \$1.75@2.00. Technical at \$1.80@2.00 for domestic and \$1.00@1.10 for imported.

Glauber's Salt—Demand has not been over active and supplies are in fair volume for summer conditions. Production is necessarily slow owing to the difficulty in crystallizing the salt in warm weather. Prices are firm with technical in carlots at \$1.35@1.40 and in smaller quantities up to \$1.75 in barrels. U.S.P. is held at \$1.40@1.75 according to quantity. Imported material is offered freely at prices which range from 75c@95c per 100lbs.

Olive Oil—Denatured is steady at recent quotations of \$1.12@1.15 per gallon. Demand is moderate with consumers only taking enough for their immediate requirements.

Potash Caustic—Some material is still available at 7½clb. on spot though most sellers are holding at

7¾c@8clb. Shipment prices are reported at 7½c@7¾clb. Domestic prices continue at 9c@10clb.

Soda Ash—Demand is reported steady and somewhat above the usual summer requirements. Recent increase in cost of production is said to have been offset by the increased production and prices have been holding steady. Makers name 58% at \$1.45@1.50 per 100lbs. in bags at works. Resale material is named at \$2.00 in bags and \$2.25 in barrels on spot.

Soda, Caustic—Domestic consumption continues steady and somewhat above the usual summer demand both on contract withdrawals and for prompt business. Export demand has also been active and most of the cheaper lots have been sold. Standard prices for export hold at \$3.25@3.30. Makers continue to quote contract business at \$3.16½ per 100lbs. for 76% solid in drums at works. Ex-warehouse business is named at \$3.40@3.70 according to brand and seller.

Starches and Dextrines

A little improvement has been noted for small quantities but carlot business is practically at a standstill. Many new England mills still have sufficient stocks for the present. Prices are unchanged at recent levels. British gum at \$4.14@4.24; corn dextrine, \$3.79@3.89; potato, 7clb.; tapioca, 9½clb.; powdered corn starch, \$3.22@3.32; pearl, \$3.12; potato, 4½c@5clb.; tapioca flour, 4c@5½clb.

Coal Tar Dyes

One of the most important features of the market was the announcement of a reduction in the price of synthetic indigo by one of the leading domestic manufacturers. The new price is 26clb. in carlots and 26½clb. in less than carlots, representing an advance of 4clb. above the former price. Increased cost of raw materials and production is the reason for the advance. Wool dyes have been moving well but there is little activity in colors for cotton goods. Prices are subject to shading owing to competition.

A large cotton mill will be built at Archdale near Shelby, N. C. The plant will be on the Southern Railroad between King's Mountain and Grover. The land for the mill cost \$40,000 and was bought by E. A. Smith, Sr., Charlotte; E. A. Smith, Jr., H. C. Dwell, and James Smith of King's Mountain. All are interested at present in the Phoenix Mill at King's Mountain.

Textile Dyeing Co. of America, Inc., which purchased the thirty-one acre dyeing plant of Wagaraw Bleaching and Finishing Co., Hawthorne, N. J., has bought ten acres adjoining the plant and extending to the Passaic River, and a siding and four acres of land adjoining the Erie Railroad near the Hawthorne station.

OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning of next page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls.27	: .28
100 lb kgs.28	: .30
USP 200 lb bbls.32	: .33
Second Hands . . . . .			.31	
Acetic Anhydride , 85% 480 lb drs. . . . .			.38	
85%, 107 lb chys. . . . .			.38	
92-95% 100 lb chys. . . . .			.43	: .45
Acetone , CP 700 lb drs. c/l wks. . . . .			.25	
700 lb drs. c/l wks. . . . .			.25	
350 lb drs. c/l wks. . . . .			.25 1/4	
Second Hands, spot. . . . .			.30	: .32
Acetone Oils , light, bbls, wks.			1.00	: 1.05
Heavy, bbls., wks.			1.00	: 1.05
Acetophenone , CP 1 lb bot.			4.00	: 4.25
Acetophenidin , 150 lb bbls. . . . .			.18	: 1.85
Acetyl Chloride , 100 lb chys. . . . .			.40	: .41
ACID , 1, 2, 4, 250 lb bbls. . . . .			.150	
Acetic , 28%, 400 lb bbls, c/l wks. . . . .			.38	
28%, c/l wks. . . . .			.38	
50%, c/l wks. . . . .			.675	
60%, c/l wks. . . . .			.700	
70%, bbls, c/l wks. . . . .			.838	
70%, c/l wks. . . . .			.863	
80% coml. bbls. c/l wks. . . . .			.958	
80% coml. c/l wks. . . . .			.983	
80% pure bbls, c/l wks.			11.41	
80% pure c/l wks.			11.60	
Glacial , bbls, c/l wks.			12.78	
Glacial , c/l wks.			13.03	
Glacial , USP chys wks.			13.33	
Acetylaldehyde , 220 lb bbls. . . . .			.75	
Second Hands . . . . .			.75	
Anthranilic , ton lots drs. . . . .			.96	
95-98%, 100 lb drs.			1.00	: 1.10
99-100%, 100 lb drs. . . . .			.120	
Benzene , tech. 100 lb bbls. . . . .			.75	
Tech. ton lots bbls. . . . .			.70	
USP, 100 lb bbls. . . . .			.72	: .77
Boric , crys. powd. 250 lb bbls. . . . .			.11	: .11 1/4
Kgs. 100 lb . . . . .			.11 1/4	: .12
Bremer's , 250 lb bbls. . . . .			.155	
Butyric , 60% pure 5 lb bot. . . . .			.50	: .60
C.P. , 10 lb bot.			1.25	: 1.50
Camphoric , USP, VIII 1 lb bot.			5.50	: 5.60
Carbolic , USP crys. see also Phenol				
112 lb tins . . . . .			.34	: .37
25 lb tins . . . . .			.36	: .39
5 lb tins or bot. . . . .			.39	: .42
1 lb bot. . . . .			.43	: .46
Liquid USP , 1 lb bot. . . . .			.42	: .45
ACID , Carbolic—(Continued)				
Crude, 25% 50 gal. bbls. . . . .			.35	: .36
10%, 50 gal. bbls. . . . .			.30	: .32
Chloracetic ,				
mono 100 lb bbls. wks. . . . .			.30	
Di, 150 lb chys wks.			1.00	
Tri, 425 lb bbls. wks.			2.45	
Chlorosulfonic , 1500 lb drs. . . . .			.15	: .16
Chromic, USP 200 lb drums. . . . .			.40	
85% Pure, 200 lb drums. . . . .			.35	
Chromotropic , 300 lb bbls.			1.25	
Chrysophanic , see Chrysarobin				
Cinnamic , 5 lb cans.			3.93	
CITRIC , USP crys 230 lb bbls. . . . .			.49	
Powd., USP 200 lb bbls. . . . .			.50	
Imported, crys. 112 lb kgs. . . . .			.50 1/4	: .51 1/4
Single kegs . . . . .			.51 1/4	: .52 1/4
Cleves , 250 lb bbls.			1.00	: 1.10
Cresylic , 95% dark dr. NY. . . . .			.75	: .85
97-99% straw, drs. wks. . . . .			.85	: 1.00
97-99% pale, drs. NY. . . . .			.85	: 1.00
97-99% decolor, drs. wks. . . . .			.70	
Crude, spot, drums. . . . .			.70	
Diethylthio-sulfuric , 10 lb lots,			8.50	: 10.50
1 lb bot. . . . .			.11	: .12
Formic , 75% tech. 100 lb chys. . . . .			.12	: .14
90%, 75 lb chys. 100 lb . . . . .			.65	
Gallie , USP 150 lb bbls.			1.80	: 1.90
Gamma , 225 lb bbls, wks.			1.70	: 1.80
Bbls., ton lots wks.			1.65	: 1.70
Glyceronphosphoric , 25% 1 lb b. . . . .			.80	
H 225 lb bbls. single. . . . .			.75	
Bbls, ton lots wks. . . . .			.73	
Hydrodic , 10% USP 5 lb bot. . . . .			.35	: .40
Hydrobromic , 48% coml. 155 lb chys. wks. . . . .			.45	: .46
48% coml. 10 chys. wks. . . . .			.11	: .13
40% USP 155 lb chys. wks. . . . .			.09	: .11
10%, USP 100 lb chys. wks. . . . .			.07	
Hydrochloric , see also Acid Muriatic				
CP, USP, 110 lb chys. . . . .			.06	
HYDROFLUORIC , 30% 400 lb bbls. . . . .			.07	
wks. . . . .			.07	
30% bbls, c/l wks. . . . .			.11	
30% 100 lb chys. wks. . . . .			.10	
48% single 100 lb chys. wks. . . . .			.12	
48% 10 chys. wks. . . . .			.11	
52% 100 lb chys. wks. . . . .			.11	
52% 10 chys. wks. . . . .			.11	
Acid , hydrofluoric—(continued)				
60% 100 lb chys. wks. . . . .			.14	
60% 300 lb dr. wks. . . . .			.13	
White Acid, 100 lb chys. wks. . . . .			.26	
White Acid, 10 chys. wks. . . . .			.25	
Hydrofluosilicic , 35% 450 lb bbls. . . . .			.10	: .12
wks.				
Hypophosphorous , USP 30% 5 gal. demis . . . . .			.95	
USP, 10% 5 gal. demis. . . . .			.32	
LACTIC , 22% dark 500 lb bbls. . . . .			.04 1/2	: .05
22% light, bbls. . . . .			.05 1/4	: .06
44% dark, bbls. . . . .			.09 1/4	: .10
44% light, bbls. . . . .			.11 1/4	: .12
66% bbls. . . . .			.70	: .75
USP IX 100 lb chys. . . . .			.70	
USP VIII 100 lb chys. . . . .			.70	
Laurent's , 250 lb bbls. . . . .			.90	
Metanilic , 250 lb bbls. . . . .			.60	: .65
Mixed , sulfuric-nitric				
Drums, wks. . . . .			.07 1/4	: .08
Drums, wks. . . . .			.01	: .01 1/4
Tank cars, wks. . . . .			.07 1/4	: .08
Tank cars, wks. . . . .			.009	: .01
Molybdic , 85% pure 1 lb bot.			1.75	: 1.85
85% pure, 100 lb kgs.			1.30	
Mono-sulfonic F, Delta , 50 lb tins			2.30	
MURIATIC , 20° chys. c/l			1.40	: 1.50
Chys. c/l wks.			1.25	: 1.30
Tank cars, wks.			1.00	: 1.10
18°, 120 lb chys.			1.00	: 1.10
c/l wks. . . . .			.90	: 1.00
22°, 120 lb chys.			1.75	: 2.00
c/l wks.			1.35	: 1.50
Iron, free 20° chys.			20.00	: 25.00
c/l wks.				
Tank cars, wks.				
Muriatic , CP & USP, see Acid Hydrochloric				
Naphthionic , tech. 250 lb bbls.62	
Refined, single bbls.65	
Neville & Winther's , 250 lb bbls.			1.25	

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ACID, NITRIC, 36° 135B			Acid Sulfuric			ALCOHOL—(continued)		
Chy. wks.100B	4.75	: 5.00	Tank cars, wks.net ton	9.00	: 11.00	Butyl, 50 gal. drums.B	...	: .40
Chy. c/l wks. ....100B	4.50	: 4.75	C. P. 175B chy. ....100B	.09	: .11	Cinnamic, liquid, 1B bot. ....B	12.00	: 16.00
38° single chy. wks. ....100B	5.50	: 5.75	Oilum, 20 p.c. 1500B drums,			Crystallizable ....B	16.00	: 18.00
Chy., c/l wks. ....100B	6.00	: 6.50	lc/l wks. ....100B	1.50	: 1.75	Isobutyl, crude 50 gal. drums. gal	...	: 4.40
42° Single chy. wks. ....100B	5.75	: 6.00	Drums, c/l wks. ....100B	1.25	: 1.50	Refined, 10B can. ....B	...	: .75
Chy., c/l wks. ....100B	6.75	: 7.50	Tank cars, wks. ....net ton	18.00	: 20.00	Isopropyl, crude 50 gal. drs. gal	...	: 2.25
44° Single chy. wks. ....100B	6.50	: 7.00	Contract cars, wks. ....ton	...	: 18.00	Refined, 50 gal. drs. ....gal	4.00	: 4.50
Chy. c/l wks. ....100B	.14	: .16	Oilum, 40% drs lc/l wks. net ton	...	: 40.00	Ref'd, 91%, drs. ....gal	...	: 3.50
C. P. chy. single wks. ....100B			Oilum, 60% drs., lc/l wks. net	...	: 70.00	Methyl, see Alcohol, Wood		
Oralle, 325B bbls. wks. ....B	.12 1/4	: .13 1/4	Sulfurous, USP 6% 100B chy. B	.05	: .06	Phenylethyl, see Phenylethylalcohol		
Bbls., NY ....B	.13	: .13 1/4	4% 100B chy. ....B	.04	: .05	Propyl, nml. crd 50 gal. drms. gal	...	: 4.40
Keps, 100B NY ....B	...	: .13 1/4	USP, 5 gal. demis. ....B	.06	: .08	Refined, 10B can. ....B	...	: .75
Imp., 500B casks. ....B	.12 1/4	: .12 1/4	Tannic, tech. 300B bbls. ....B	...	: .45	Denatured		
Phenylacetic, 1B bot. ....B	3.00	: 3.25	USP, powd. 200B bbls. ....B	...	: .83	No. 1 Complete Denat. 188 Proof		
Phosphoric, 50% tech. 100B			USP, fluffy, 50B bbls. ....B	...	: .83	50 gal. bbls. incl. ....gal	.46	: .48
chy. ....B	.08	: .09	Tartaric USP cryst 300B bbls. ....B	...	: .36	50 gal. drums, extra ....gal	.41	: .43
USP, 85% syrupy, 70B			USP, powd. 300B bbls. ....B	...	: .36	No. 1 Special Denat. 190 Proof		
demis. ....B	...	: .18	Imp. USP, 240B bbls. ....B	.34	: .34 1/2	50 gal. bbl. incl. ....gal	.44	: .46
Phthalic, see Phthalic Anhydride			Powd. 240B bbls. ....B	.34	: .34 1/2	50 gal. drums, extra ....gal	.38	: .40
Picramic, 300B bbls. ....B	...	: .65	Tobias, 250B bbls. ....B	1.20	: 1.30	No. 5 Complete Denat. 188 Proof		
Picric, 450B bbls. ....B	...	: .30	Tungstic, 100B kgs. ....B	...	: 1.00	50 gal. bbls. incl. ....gal	.43	: .45
Bbls. car lots wks. ....B	.20	: .25	Valeric, C.P., 10B bot. ....B	4.00	: 4.25	50 gal. drums, extra ....gal	.37	: .39
Pyrogallic, crys. 5B cans. ....B	...	: 1.20	Aconitine Alk. cryst. 1 oz. vis. ....oz	...	: 30.00	No. 6 Complete Denat. 188 Proof		
Resublimed, 5B cans. ....B	1.55	: 1.60	Amorphous, 1 oz. vis. ....oz	...	: 20.00	50 gal. bbls. incl. ....gal	.41	: .45
Tech. powd., 200B bbls. ....B	...	: .80	Adeps Lanas, hydrous 350B bbls. ....B	.21	: .23	50 gal. drums, extra ....gal	.36	: .38
Salicylic, tech. 125B bbls. ....B	...	: .33	Anhydrous, 350B bbls. ....B	.23	: .24	In addition to the regular authorized		
USP, 100B bbls. ....B	...	: .35	Albumen, Egg. edible. ....B	...	: 1.05	formulas for completely denatured		
Second Hands ....B	...	: .35	Technical, see Dyers Sundries			alcohol, some 75 formulas for		
Sulfanilic, 250B bbls. ....B	.17	: .20				specialty denatured alcohol are		
SULFURIC, 66° 180B chy.						authorized for special uses. Owing to		
lc/l wks. ....100B	1.50	: 1.75				the limitations of their uses however,		
Chy., c/l wks. ....100B	1.25	: 1.50				prices are quoted by the alcohol		
1500B Drums, lc/l						producers only to holders of per-		
wks. ....100B	...	: 1.25				mits allowing the use of specialty		
Drums, c/l wks. ....100B	...	: 1.10				denatured formulas in products author-		
Tank cars, wks. ....net ton	15.00	: 17.00				ized by the Dept. of Internal Revenue.		
60° 1500B Drums,						For prices on specialty denatured		
lc/l wks.100B	.70	: .90				alcohols not listed above, consult any		
Drums, c/l wks.100B	.60	: .80				of the alcohol producers.		

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Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Ferrous Sulphide	Sodium Phosphate

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Chemicals

Alcin, USP 100 lb cases.....lb	.87	: .90
Alpha-Naphthol, crude 300 lb bbls. lb	...	: .65
Refined, 300 lb bbls.....lb	...	: .75
Alpha-Naphthylamine, 350 lb bbls. lb	.37	: .39
Ton lots, bbls, wks.....lb	.35	: .37
ALUM. Ammonia, lump 400 lb bbls.		
wks.....100 lb	3.50	: 3.65
Imp., 500 lb casks.....100 lb	3.50	: 4.00
Ground, 400 lb bbls. wks.100 lb	3.65	: 3.75
Powd., 380 lb bbls. wks.100 lb	3.90	: 4.00
Chrome 500 lb cks wks.100 lb	5.50	: 6.00
Potash, lump 400 lb bbls.		
wks.....100 lb	...	: 4.50
Bbls. c/l wks.....100 lb	...	: 4.25
Cont. bbls. c/l wks.100 lb	...	: 4.25
Imp. 650 lb cases s.p..100 lb	3.00	: 3.25
Ground, 400 lb bbls. wks.100 lb	4.35	: 4.60
Imp. 650 lb casks.....100 lb	3.00	: 3.25
Powd., 380 lb bbls. wks.100 lb	4.50	: 4.75
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00
Soda, grd. 400 lb bbls. wks.100 lb	...	: 4.00
Bbls. c/l wks.....100 lb	...	: 3.50
Aluminum, metal, c/l NY.....100 lb	25.00	: 26.00
Chloride, anhyd. 275 lb drs..lb	.20	: .22
30% sol. 120 lb cbs.....lb	.03 1/4	: .04
Hydrate 96% light 90 lb bbls. lb	.18 1/4	: .20
SULFATE, Iron-free bags c/l		
wks.....100 lb	2.25	: 2.50
Imported, spot.....100 lb	2.25	: 2.40
Comm'l., 1/2% -iron, bgs. c/l		
wks.....East 100 lb	1.40	: 1.55

ALUMINUM SULFATE—(Continued)

Cont. bgs. c/l wks. E.100 lb	...	: 1.40
Bags, c/l wks. W...100 lb	...	: 1.35
Bbls., c/l wks. East.100 lb	...	: 1.55
Bulk, c/l cont. wks. E.100 lb	...	: ...
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes.....lb	4.75	: 5.00
1 lb cartons, 10 lb wks.....lb	...	: ...
Aminocazobenzene, 110 lb kgs...lb	...	: 1.15
AMMONIA anhyd. 100 lb cyl....lb	...	: .30
Water, 26° 800 lb drs. wks..lb	...	: .07 1/4
Drs. c/l wks.....lb	.07	: .07 1/4
Imp., 800 lb drs.incl.spot. lb	.06 3/4	: .07
26° 100 lb cbs. lb/l wks. lb	...	: .08 1/4
Cbs. c/l wks.....lb	...	: .08 1/4
20°, 800 lb drs. lb/l wks. lb	...	: .06
Cbs., lb/l wks.....lb	...	: .07 1/4
18°, 800 lb drs. lb/l wks. lb	...	: .05 1/4
Cbs., lb/l wks.....lb	...	: .07 1/4
16°, 800 lb drs. lb/l wks. lb	...	: .04
Cbs., lb/l wks.....lb	...	: .05
Ammonium Acetate, 100 lb kgs. lb	...	: .40
Benzoate, USP 1 lb bot.....lb	...	: 1.16
Pifluoride, 300 lb bbls.....lb	.22	: .23
100 lb kgs.....lb	.23	: .24
Bromide, 50 lb boxes.....lb	...	: .33
Imported, 112 lb boxes.....lb	.17 1/4	: .18 1/4
Carb., tech. 560 lb casks.....lb	...	: .09
Powd., tech. 385 lb bbls.....lb	...	: .09 1/4
USP, lump, 100 lb kgs.....lb	...	: .09 1/4
Powd., 100 lb kgs.....lb	...	: .10 1/4
Chloride, Domestic		
White gran. 250 lb bbls.NY. lb	...	: .08
Bbls., c/l wks.....lb	...	: .07 1/4
Gray 250 lb bbls. wks.....lb	.08 3/4	: .08 3/4
Bbls., c/l wks.....lb	.08	: .08 1/4

AMMONIUM CHLORIDE—(Continued)

Imp. wh. 600 lb cases spot. lb	.06	: .06 1/4
Gray, 600 lb casks spot...lb	.07	: .09
Lump, 500 lb casks spot...lb	.13	: .14
Icthyolate, as to brand.....lb	.75	: 4.00
Iodide, USP, 25 lb jars.....lb	...	: 5.20
Lactate, 500 lb bbls.....lb	.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb	...	: ...
Refined Crystals, bbls.....lb	.18	: .20
CP gran. 100 lb kgs.....lb	.35	: .37
Oxalate, pure, 100 lb kgs...lb	...	: .41
Persulfate, 112 lb cases.....lb	.55	: .60
Phosphate, dibasic 200 lb bbls. lb	.54	: .60
Tech., powd. 325 lb bbls...lb	.15	: .17
Salicylate, USP 100 lb kgs...lb	...	: .85
Sulfate, bulk c/l wks...100 lb	...	: 3.20
200 lb single bgs c/l wks.100 lb	...	: 3.30
200 lb double bgs, f.a.s.100 lb	...	: 3.65
Sulfoeyanide, tech. 100 lb kgs. lb	...	: .50
CP. 25 lb jars.....lb	.60	: .65
Amyl Acetate, tech. 50 gal. drs.gal	4.50	: 4.75
Pure, 5 gal. cans.....gal	7.00	: 8.00
Alcohol, see Fusel Oil		
Butyrate, 1 lb bot.....lb	...	: 1.72
Formate, 1 lb bot.....lb	3.00	: 3.25
Salicylate, 100 lb cbs.....lb	1.45	: 1.60
Anethol, 2 lb bot.....lb	1.60	: 2.00
ANILINE OIL, 900 lb drs.....lb	.16	: .17
Aniline Salt 200 lb bbls.....lb	.24	: .25
Anisic Aldehyde, 1 lb bot.....lb	3.75	: 4.50
Anthracene, 40-45% 600 lb casks		
wks.....lb	.12	: .17
80-85%, 600 lb casks wks...lb	.75	: 1.00
Anthraquinone, sub 125 lb bbls. lb	1.30	: 1.35
30% paste 350 lb bbls.....lb	.80	: .85
Antimony metal, slabs ton lots.100 lb	7.62	: 7.75
Needle Powd., 100 lb cases.....lb	.06 1/4	: .06 3/4

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Apomorphine Hydrochloride
Arecoline Hydrobromide
Atropine and Salts
Berberine and Salts
Brucine and Salts
Caffeine and Salts
Cocaine and Salts
Codeine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate

Cumarin
Diacetylmorphine
Alkaloid and Hydrochloride
Digitalin Pure
Duboisine Sulphate
Emetine and Salts
Eserine and Salts
Guaiacol Liquid
Guaiacol Carbonate
Homatropine and Salts
Hydrastine and Salts
Hydrastinine Hydrochloride
Hyoscyne Hydrobromide
Hyoscyamine and Salts
Morphine and Salts
Phenolphthalein

Pilocarpine and Salts
Potassium Guaiacol
Sulphonate "Alta" Brand
Salicin
Saponin Purified
Scarlet Red Medicinal
Genuine "Biebrich"
Silver Proteinat
Sodium Cacodylate
Sparteine Sulphate
Strophanthin
Strychnine and Salts
Theobromine and Salts
Veratrine and Salts
Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

ANTIMONY CHLORIDE, anhyd 1000 lb			Bay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200 lb.		
dra. lb	...	.35	Denat. salicy acid or tartar emetic			oids. lb	...	.76
50 lb crocks lb	...	.45	45 gal. bbls. gal	2.75	3.00	Sublimed, 200 lb bbls. lb	...	1.35
Sol'n, 130 lb carboys. lb	...	.11	Denat. quinine sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 300 lb bbls. lb	...	.07 1/2	bbls. gal	2.85	3.00	BISMUTH metal, 150 lb cases. lb	2.95	3.05
Salt, dom. 500 lb bbls. lb	...	.24	Domestic synthetic, 50 gal.			Second Hands lb	2.80	2.85
Imp., NY lb	...	.23	bbls. gal	1.10	1.25	Ammon. Citrate, USP 5 lb bxs. lb	...	5.75
Sulfuret, golden 500 lb bbls. lb	...	.21	Benzaldehyde, tech. 945 lb dra.			Betanaphtholate, 5 lb bxs. lb	...	3.35
336 lb kegs lb	...	.19	wks. lb	.75	.80	Citrate, USP 5 lb bxs. lb	...	3.15
Crimson, 500 lb bbls. lb	...	.38	USP, 40 lb chys. lb	1.50	1.60	Nitrate, 25 lb jars. lb	...	2.00
336 lb kegs lb	...	.36	FFC, 40 lb chys. lb	1.75	1.85	Oxychloride, 250 bbls. lb	...	3.50
Red, 500 lb bbls. lb	...	.45	BENZENE, 90% 8000 gal. tanks			Phenolsulfonate, 5 lb cans. lb	...	3.20
336 lb kegs lb	...	.42	wks. gal	.23	.24	Salicylate, 250 bbls. lb	...	2.00
Tartrolactate, 500 lb bbls. lb	...	.45	110 gal. dra. wks. gal	.28	.30	Subcarbonate, USP, 250 bbls. lb	...	3.40
Antipyrine, USP, 100 lb cases. lb	2.60	2.75	Pure, Tanks, wks. gal	.25	.27	X-Ray diag. 1 lb bot. lb	...	3.80
Apomorphine Hydrochloride, 1/2 oz. vial. oz.	...	19.65	110 gal. dra. wks. gal	.30	.32	Subgallate, USP 175 lb bbls. lb	...	2.80
Arecoline Hydrobromide, 1 oz. vial. oz.	9.00	10.50	Benzidine base, dry 250 lb bbls. lb	...	.82	Subiodide, 5 lb lots. lb	...	4.70
Argols, red powd. 350 lb bbls. lb	.06 1/2	.07	10 bbl. lots lb	.80	.82	Subnitrate, USP, 250 lb bbls. lb	...	2.90
Arsenic, metal 220 lb kegs. lb	...	.35	Benzidine Sulfate, paste 350 lb			Second Hands, bbls. or less. lb	2.70	2.75
Red, 224 lb kegs cases. lb	.15	.15 1/2	bbls. lb	.70	.72	Cones, 1 lb bot. lb	...	3.95
White, 550 lb bbls., c/l NY. lb	.09 1/2	.10	Benzol, see Benzene			Subsalicylate, USP, 175 bbls. lb	...	3.10
Aspirin, see Acid Acetylsalicylic			Benzonaphthol, 5 lb boxes. lb	2.00	2.10	Tannate, 1 lb bot. lb	...	2.73
Atropine Alk. USP 1 oz. vial. oz.	...	9.50	Benzoyl Chloride, 500 lb dra. lb	...	1.00	above on basis 25 lb lots.		
Sulfate, 5 oz. cans. oz.	...	4.00	Benzyl Acetate, 100 lb chys. lb	1.40	1.50	Smaller lots at an advance.		
Single ounce oz.	...	4.17	Alcohol, 5 lb bot. lb	1.60	1.70	Blanc Fixe, dry 400 lb bbls. wks. ton	80.00	85.00
BARIUM BINOXIDE, see Barium Dioxide			Benzoate, 5 lb bot. lb	1.50	1.60	Imported, bbls. ton	72.00	75.00
Carbonate, precip., 800 lb bbls.			Medicinal FFC lb	1.75	1.85	Paste, 650 lb bbls. ton	50.00	55.00
wks. ton	...	70.00	Chloride, 95% tech. 925 lb dra. lb	...	.30	BLEACHING POWDER, 700 lb dra.		
Imports, bbls., spot. ton	75.00	76.00	100 lb chys. lb	.30	.35	c/l wks. 100 lb	...	1.75
Precip., 200 lb bgs, wks. ton	65.00	68.00	Redistil. 100 lb chys. lb	.40	.45	Drums 1/4 ex-warehouse. 100 lb	2.00	2.25
Chloride, 800 lb bbls. wks. ton	...	90.00	Formate, 1 lb bot. lb	3.00	3.25	Contract, c/l wks. 100 lb	...	1.75
200 lb bgs, wks. ton	88.00	90.00	Berberine Hydrochloride, 1 lb bot. lb	...	22.00	F. a. a c/l. 100 lb	...	...
Import, bbls., spot. ton	82.50	85.00	Sulfate, acid or neut. 1 lb bot. lb	...	22.00	Imported, spot. 100 lb	...	...
Dioxide, 88% 690 lb dra. lb	.17	.18	BETA-NAPHTHOL, 350 lb bbls. wks. lb	...	.23	Blue Ointment, see Mercury		
Import, 83-85% 400 lb dra. lb	.14	.16	Ton lots, wks. lb	.20	.22	Mans, see Mercury		
Hydrate, 500 lb bbls. lb	.05 1/2	.06	Sublimed lb	.55	.60	Bone Ash, 100 lb kegs. lb	...	.09
Iodide, 5 lb box. lb	...	5.23				Black, 200 lb bbls. lb	.06	.08
Nitrate, 700 lb cases. lb	...	.10						
Import cases lb	.07 1/2	.08						
Sulfocyanide 400 lb bbls. lb	...	.35						
Barites, floated 350 lb bbls. ton	33.50	35.00						

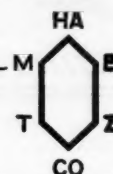
BETA NAPHTHOL

Dyestuffs and Intermediates
Manufactured by

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and other American manufacturers, distributed by

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Reg. U. S. Pat. Off.

Chemicals

Borax, USP, crys. 400 lb bbls...lb	.05%	.08
Powdered, USP, 300 lb bbls...lb	.05%	.08
Kegs, USP, 100-150 lb...lb	.06	.06 1/4
Bordeaux Mixture, powd. bbls...lb	.12	.15
Paste, bbls...lb	.08	.10
Borneol, 1 lb bot...lb		3.50
Bromide, see potash bromide, etc.		
Bromine, bot. in 60 lb cs. wks...lb		.39
Bromobenzene, 600 lb drums...lb	.40	.42
Bromoform, USP 5 lb bot 50 lb cs...lb		1.50
Bromostyrol, 25 lb kegs...lb	4.00	4.25
Brucine Sulfate, 100 ozs...oz		.20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs...lb		1.10
Bromide, 50 lb cases jars...lb		1.02
Iodide, 10 lb bot...lb		4.48
Sulfide, cs...lb	1.50	1.60
CAFFEINE ALK. USP 5 lb cans...lb	3.75	4.25
Second Hands...lb	3.60	3.70
Hydrochloride, 1 lb bot...lb	7.12	7.23
Sulfate, 1 lb bot...lb		5.50
Citrate, 25 lb cans...lb		2.90
Hydrobromide, 1 lb bot...lb		6.47
CALCIUM Acetate, 150 lb bgs. c/l wks...lb		4.00
Arsenate, 100 lb bbls. c/l wks...lb	.12	.14
Bble. lc/l wks...lb	.14	.16
Bromide, 100 lb cs...lb		.45
Calcium Carbide, 220 lb dr c/l wks...lb		.04 1/4
Drums lc/l wks...lb		.05
Carbonate, tech. 100 lb bags c/l...lb	1.00	1.10
USP, precip. 175 lb bbls...lb		.04
Chloride, solid, 650 lb drs. c/l f.o.b. NY...ton		24.50
Gran. 350 lb drs. c/l f.o.b. NY...ton		30.50

CALCIUM CHLORIDE—(Continued)

Flake 330 lb drs. c/l drs. f.o.b. NY...ton		30.50
Anhyd., 350 lb drs. f.o.b. NY...lb	.13	.20
Glycerophosphate, 250 lb bbls...lb	1.55	1.60
Hydrate, (see Lime)		
Iodide, 5 lb bot...lb		4.35
Lactate, tech. 500 lb bbls...lb		.13 1/4
Nitrate, 220 lb bbls, c/l NY...ton		40.00
Phosphate, tech. 350 lb bbls...lb	.09	.10
Phosphate, precip. tribasic 200 lb bbls, wks...lb	.12	.13
Phosphate, mono...lb	.07	.09
Sulfocarbonate, 100 lb kegs...lb		.63
Calomel, see Mercury		
CAMPION, Amer. ref. 250 lb bbls...lb		.96
2 1/4 lb slabs, 100 lb cs...lb		.97
1 lb cakes, 100 lb cs...lb		.97 1/4
1 oz. tab., 1 lb ctms...lb		1.01 1/4
100 lb cs...lb		
1/2 oz. tab., 1 lb ctms...lb		1.02
100 lb cs...lb		
Jap. ref. 2 1/4 lb slabs, 100 lb cs...lb	.85	.86
1 oz. tab., 100 lb cs. 1 lb time...lb		1.00
1/2 oz. tab. 100 lb cs. 1 lb time...lb		1.02
Chinese ref. 2 1/4 lb slabs 100 lb cs...lb		.90
Crude, 100 lb cs...lb	.72	.73
Camphor, Monobrom. 100 lb cs...lb	1.75	1.85
Caramel, 50 gal. bbls...gal	.60	.62
Carbazol, 250 lb bbls...lb	.75	.80
Carbon Bisulfide, 500 lb dr. lc/l NY...lb		.06 1/4
c/l drums, NY...lb		.06
Carbon Black, 12 1/2 lb bags, wks...lb	.18	.35

Carbon Tetrachloride, 1400 lb drs. NY...lb		.10 1/2
Drums, c/l NY...lb	.09	.09 1/2
700 lb drs. single NY...lb		.10 1/2
Carmin, No. 40 5 lb boxes...lb	4.50	4.60
Casein, edib. 100 lb kg...lb	.40	.45
Technical, 200 lb bbls...lb	.14	.19
Castoreum, 1 lb boxes...lb	4.00	4.50
Castor Oil, USP 50 gal. bbl...lb		.13 1/4
Cases, 80 lb 2 tins...lb		.14
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases...lb	1.75	2.00
Cerium Oxalate, USP 100 lb kgs...lb		.43
Chalk, drop 175 lb bbls...lb		.03 1/4
Precip. light 250 lb cns...lb	.04 1/4	.04 1/4
Precip. heavy 500 lb cns...lb	.03 1/4	.04
Bulk...ton	5.00	8.00
Precip. English, 7 lb bags...lb		.07 1/4
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl...lb	.04	.05
Willow, powd. 100 lb bbl...lb	.06	.07
China Clay, imp...ton	16.00	22.50
Domestic, fob Mine...ton	10.00	15.00
Chloral Hydrate, USP 100 lb drs...lb	.75	.80
25 lb jars...lb	.76	.81
Chinoidin, 170 lb cases...lb	.65	.75
Chloramine-T, 5 lb bot...lb	1.25	2.50
Chloroform, 5 lb bot...lb	.55	.75
Chlorhydric, Ethylene anhyd., 600 lb drs...lb	.75	.85
40% soln. 100 lb cbs...lb	.25	.30
CHLORINE, Liquid 2000 lb cyl. c/l wks...lb	.05 1/4	.05 1/4
Tank car lots wks...lb	.05 1/4	.05 1/4
100 lb cyl. c/l...lb		.06
100 lb cyl. lc/l wks...lb	.06 1/4	.07
100 lb cyl. lc/l, ex-warehouse...lb		.09
Chlorobenzene, mono. 1000 lb drs. wks...lb	.11	.12
Dr. c/l wks...lb	.10	.11
Tank car lots wks...lb		.09
CHLOROPHORM, USP 50 lb drs...lb		.35
Second Hands, 650 lb drs...lb	.31	.33
Technical, 650 lb drums...lb	.28	.31



Acetic Anhydride 92-95%
Free of Phosphorus Chlorine and Sulphur
Acid Phosphoric 50%
Meeting Food and Drug Law Requirements
Sodium Phosphate
Monobasic, Dibasic, Tribasic
Caustic Soda
Solid Fused 76-78%
Carbon Disulphide
5, 10 and 55 gallon drums
Carbon Tetrachloride
5, 10, 55 and 110 gallon drums
Phosphorus Oxychloride

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Chemicals

Chromium Acetate, 20° soln. 400 lb bbls.08	: .10	COD LIVER OIL, Norwegian, 30 gal. bbls.	25.00	: 25.50	Cyanamide, bulk c/l wks. Amm. unit ...	: 3.25
Fluoride, Powd. 400 lb bbls. ....	...	: .80	Newfoundland, 30 gal. bbls. bbl ...	...	: ...	DIAMINOPHENOL, 100 lb kegs.	: 3.80
Soln. 400 lb bbls. ....	...	: ...	Colchicine alk., USP 1 oz. vial. ....	...	: 30.00	Dianisidine, 100 lb kegs.	: 4.60
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial. ....	...	: 45.00	Dichlorobenzene, 1000 lb drs.	: .08
Chrysarobin, USP 5 lb cans.	2.00	: 3.00	Colloid USP 30 lb drums. ....	...	: .22	Diethylaniline, 850 lb drs.	: .60
Cinchonidin alk., pd. 100 oz. tins. ....	...	: .70	Flexible, USP 30 lb drums. ....	.23	: .27	Diethyl Phthalate, 25 lb cans.	: .55
Crystal ....	...	: .75	COPPER , metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs.	: 20
Sulfate, 100 oz. tins. ....	.40 1/2	: .50	NY	4.12	: 4.25	CP drums	: 40
Cinchonidin alk., pd. 100 oz. tins. ....	...	: .70	Lake, c/l NY.	4.37	: 4.50	Digitalin, Pure, 1 oz. vial.	7.75
Crystal ....	...	: .43	Casting, c/l NY.	14.00	: 14.25	Dimethylaniline, 840 lb drs. wks.	: .41
Sulfate, 100 oz. tins. ....	...	: .25	Carbonate, 400 lb bbls. ....	.17 1/2	: .18 1/2	Dimethylsulfate, 100 lb drs.	: .50
Cinnamic Alcohol, see Alcohol Cinnamic			Chloride, 250 lb bbl. ....	...	: .30	Dinitrobenzene, 400 lb bbls.	: .19 1/2
Cinnamic Aldehyde, 1 lb bot.	3.20	: 3.50	Cyanide, 100 lb drs. ....	.58	: .60	Dinitrochlorobenzene, 400 lb bbls.	: .19 1/2
Citral, 25 lb cans.	2.75	: 3.00	Iodide, 5 lb bot. ....	...	: 5.65	Dinitronaphthalene, 350 lb bbls.	: .32
Citrine Ointment, see Mercury			Oxide, 1000 lb bbls. ton lots. ....	.18	: .18 1/2	Dinitrophenol, 350 lb bbls.	: .40
Citronellal, 1 lb bot.	2.00	: 2.25	Sub-Acetate, verd. 440 lb bbls. ....	.23	: .23	Dinitrotoluene, 300 lb bbls.	: .21
Citronellol 1 lb bot.	8.00	: 14.00	SULFATE , crys. 450 lb bbls. l/c			Dionin, see Morphine, Ethyl	
Cobalt metal, 100 lb kegs.	2.75	: 2.85	spot	5.35	: 5.50	Diphenylamine, 250 lb bbls.	: .48
Cobalt Oxide, 500 lb bbls. ....	...	: 2.10	Carlots, bbls. f.o.b. NY. 100 lb	5.15	: 5.25	Diphenylguanidine, 170 lb bbls.	: 1.15
10 lb tins 200 lb cases. ....	...	: 2.35	Carlots, bbls. delivered. 100 lb	5.40	: 5.50	Diphenylglyoxal, 500 lb drums.	: .85
COCAINE alk., USP, 1 oz. vial. ....	...	: 10.00	Imp. 550 lb csks.	4.50	: 5.00	Dover's Powder, USP 5 lb tins.	2.20
Hydrochloride, USP—1 oz. vial. ....	...	: 7.07	Powdered, 350 lb 5 bbls. ....	.06	: .06 1/2	Duboisine Sulfate, 1 oz. vial. ....	...
25 oz. ....	...	: 7.50	Copperas, bulk c/l wks.	20.00	: 21.00	EARTH , Diatomaceous, see Kieselguhr	
In 1/2 oz. vials. ....	...	: 7.50	400 lb bbls. c/l wks. ....	...	: 25.00	Emetine, alk., 15 gr. vials.	: 1.80
In crystals, granular, powder, or flaky crystals as desired.			200 lb bgs. c/l wks. ....	...	: 23.00	Hydchlde, USP 1 oz. vial.	: 19.00
Cocoa Butter, bulk, 200 lb bales. lb	.26	: .26 1/2	Powdered, bbls.	1.90	: 2.00	15 gr. vials.	: .75
Fingers, cakes, etc. 12 lb bxs. ....	.34	: .37	Sugar, 400 lb bbls. ....	...	: 1.75	EPSOM SALT , tech. 300 lb bbls.	
CODEIN alk., 1 oz. vial. 10 oz. lots	...	: 8.62	Corn Syrup, 42 deg. 50 gal. bbls. ....	...	: 3.51	NY	: 2.15
Hydrobromide, 1 oz. vial, 10 oz. lots	...	: 6.92	42 deg. 50 gal. bbls. ....	...	: 3.56	Bbls. c/l NY.	: 2.00
Hydrochloride, 1 oz. vial, 10 oz. lots	...	: 7.77	Corrosive Sublimate, see Mercury Bichloride			100 lb bgs. c/l NY.	: 1.80
Phosphate, 1 oz. vial, 10 oz. lots	...	: 7.77	Cotton Soluble, 100 lb bbls. wet. lb	.40	: .42	Imp., 220 lb bgs. c/l	
Salicylate, 1 oz. vial, 10 oz. lots	...	: 6.47	Commarin, 25 lb tins.	4.50	: 4.75	NY	: 1.00
Sulfate, 1 oz. vial, 10 oz. lots. ....	...	: 6.47	Second Hands ....	...	: 4.35	USP, 300 lb bbls, 10 bbls. 100 lb	: 2.59
Small Sizes. 1/4 oz. vials, 50c extra, 1/2 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 oz. 15c oz. higher than above.		: 6.92	CREAM TARTAR , USP, 300 lb bbls. ....	...	: 26 1/2	Carlots, bbls.	: 2.25
			Imp. powd. USP, 224 bbls. ....	.25	: .25 1/2	Imported, 400 lb bbls.	: 2.00
			Creosote, USP, 42 lb cys. ....	.40	: .55	100 lb kegs.	: 2.10
			Carbonate, 1 lb bot. 25 lb.	1.80	: 2.00	Ergotin, Bonjean, 1 lb jars.	: 8.50
			Creosote Oil, 50 gal. drs. ....	.20	: .22	Eserine alk., 1 oz. vial.	: 30.00
			Cresol, USP 400 lb bbls.	: .36	Salicylate, USP 1 oz. vial.	: 22.00
						Sulfate, USP VIII, 1 oz. vial.	: 17.00

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METHANOL

ALL GRADES

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110 William Street
New York

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Chemicals

ETHER, USP 55 lb drums.....lb	...	: .13	Fluorpar, 95% 220 lb bgs. ex	...	: 25.00	GLYCERIN, C. P. 550 lb drums..lb	.17	: .17½		
Anaesthesia, 55 lb drums.....lb	...	: .16	dock	ton	...	: 33.50	Cans, 50 lb	lb	.18	: .19
USP, 1880 55 lb drums.....lb	...	: .40	96% bgs.	ton	...	: 33.50	Dynamite, 100 lb drs.....lb	..	: .16½	
Washed, 55 lb drums.....lb	...	: .32	98% bgs.	ton	...	: 35.00	Saponification, tanks	lb	..	: .13
Motor, 1 lb cans.....lb	...	: .27	FORMALDEHYDE, USP 400 lb bbls.	...			Soap, Lye tanks.....lb	..	: .11½	
Ether, Nitrous, 1 lb bot.....lb	...	: .92	c/l wks.	lb	...	: .14	Goa Powder, see chrysarobin	...		
Ethyl Benzyl Aniline, 300 lb drs..lb	...	: 1.30	Carboys, 100 lb lc/l wks.....lb	...	: .15	Granite, crude 220 lb bags.....ton	15.00	: 35.00		
Ethyl Acetate, 99%, 50 gal. drs.gal	1.05	: 1.15	Bbls., 400 lb lc/l wks.....lb	...	: .15½	Flake, 500 lb bbls.....lb	..	: .05		
85-90% Ester, 50 gal. drs.....gal	...	: .95	Second Hands	lb	: .13½	Ground, lump, bbls.....lb	..	: .04		: .05
Carlota, drums	gal	: .92	Fuller's Earth, 200 lb bgs. c/l	...		Gualacol liquid, USP 25 lb cans..lb	2.75	: 3.00		
Tank Cars	gal	: .90	mines	ton	15.00	: 17.00	Benzoate, 1 lb bot.....lb	...	: 18.00	
Pure, 5 lb bot.....gal	...	: 3.50	Imported, 230 lb bags NY.....ton	35.00	: 40.00	Carbonate, 5 lb boxes.....lb	5.00	: 5.25		
Benzoate, 5 lb bot.....lb	1.85	: 2.00	Fusel Oil, refined, 100 gal drm.gal	...	: ..	HAARLEM OIL, Dom. 6 gr. ca.gross	...	: 3.50		
Bromide 115 lb drs.....lb	...	: .40	Crude, 100 gal drum.....gal	...	: ..	Imported, 5 gr. cases.....gross	5.20	: 5.25		
Butyrate, 5 lb bot.....lb	2.00	: 2.25	G SALT, paste 350 lb bbls. basis	...	: .60	Halazone, 5 lb bot.....lb	2.75	: 3.25		
Chloride, 15 lb cyl.....lb	...	: .35	100%	lb	: .65	Hellotropine, 10 lb bot.....lb	2.00	: 2.75		
Cinnamate, 1 lb bot.....lb	3.75	: 4.00	Gelatin, USP silver bbl. 100 lb cs..lb	..	: .85	Hexamethylenetetramine, USP	...			
Formate, 5 lb bot.....lb	2.00	: 2.10	Gold Label, 100 lb cases.....lb	...	: ..	100 lb drums .....	..	: .91		: .93
Methyl Ketone, 50 gal. drums..lb	.25	: .25½	Technical, 100 lb cs.....lb	..	: .65	Imported .....	..	: .70		: .75
Morphine, see Morphine, Ethyl	...		Geraniol, 50 lb cans.....lb	3.00	: 4.50	Rubber Makers, Impalp. Pd.	...			
Valerate, 5 lb bot.....lb	4.50	: 4.75	Geranyl Acetate, 1 lb bot.....lb	4.25	: 4.75	dra. ....	..	: .95		: .97½
Ethylene Bromide, 600 lb drs.....lb	...	: .60	GLAUBER'S SALT, tech. 200 lb bags	...		Homatropine Hydrobrom. USP 1 oz.	...			
Glycol	lb	: .85	c/l wks.	100 lb	1.20	: 1.30	vial	oz	...	: 16.00
Chlorhydrin, anhyd. 50 gal drs..lb	..	: .75	350 lb bbls. c/l wks.....100 lb	1.35	: 1.45	Five oz., 1 oz. vials.....oz	...			: 15.00
40% Solution, 50 gal. bbls..lb	..	: .25	Bbls c/l wks.	100 lb	1.50	: 2.00	Hydrastine Alk., USP, 1 oz. vial.oz	...		: 20.00
Dichloride, 50 gal. drs.....lb	...	: .30	Imported, bbls, spot.....100 lb	..	: .75	: .90	Hydchlide, USP, 1 oz: vial.....oz	...		: 20.00
Eucalyptol, 25 lb cans.....lb	..	: .75	USP, 300 lb bbls. Imp. sp.100 lb	...	: 1.25	Sulfate, 1 oz. vial.....oz	...			: 22.00
Eugenol, 25 lb cans.....lb	2.85	: 3.25	USP, 300 lb bbls. dom. sp.100 lb	...	: 1.75	Hydrastine Hydchlide, USP 15 gr.	...			
Feldspar, bulk	ton	20.00	: 25.00	USP, 300 lb bbls. c/l wks.100 lb	...	: 1.40	vials	vial	...	: 2.40
FERRIC CHLORIDE, tech. crys.	...			USP, 300 lb bbls. c/l wks.100 lb	...	: 1.40	Hydrasobenzene, 100 lb kegs.....lb	1.30	: 1.35	
475 lb bbls.	lb	: .08	Glucose, (Grape Sugar) dry, 100	...			HYDROGEN PEROXIDE, 25 vol.400 lb	...		
Imported	lb	: .07	70° bags, c/l NY.....100 lb	3.11	: 3.46	bbls. ....	..	: .10		
USP, crys. 100 lb kegs.....lb	...	: .09	Syrup, Drs. & bbls. c/l NY100 lb	...	: 3.41	USP Soln. 375 lb bbls.....lb	..	: .04½		: .05
Imported	lb	: .08	lc/l NY	100 lb	...	: 3.70	USP bot. 4 oz. cases.....gross	8.00	: 8.25	
Tech. Sol'n 45° 140 lb clys..lb	...	: .06	GLUE, pure white, bbls.....lb	..	: .30	: .35	Bot. 8 oz. cases.....gross	11.75	: 12.00	
48°, 140 clys.....lb	...	: .08	Medium white, bbls.....lb	..	: .25	: .30	Bot. 16 oz. cases.....gross	19.75	: 20.00	
USP Sol'n 125 lb clys.....lb	...	: .06½	French. bbls.	lb	: .18	: .25	Hydroquinone, 100 lb kegs.....lb	1.25	: 1.35	
Ferrous Chloride, crys. tech.	...		High Grade, bbls.....lb	..	: .35	: .40	Hyoscine Hydrobrom. USP 1 oz.	...		
475 lb bbls.	lb	: .08	Bone, regular, bbls.....lb	..	: .10	: .12	vial	oz	...	: 21.00
Ferrous Sulfide, 1000 lb bbls.100 lb	2.50	: 3.00	Fish. bbls.	gal	1.50	: 1.75	Five oz., 1 oz. vials.....oz	...		: 20.50
Flake White, see lead, white	...									

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Chemicals

Hyoscamine Alk. Cryst., 1 oz. vial.oz	...	35.00	LANOLIN, see Adeps Lanæ			Litharge, see lead oxide		
Alkaloid, Amorphous, 1 oz. vial.oz	...	75.00	LEAD, metal c/1 NY.....100lb	6.50	: 6.70	Lithium Carb. USP 100lb kgs..b	1.50	: 1.60
Hydrobromide, USP 1 oz. vial.oz	...	60.00	Acetate, white crystals 500lb			Bromide, 100lb cs.....b	1.70	: 1.80
Sulfate, 1 oz. vial.....oz	...	35.00	bbls. wks.....b			Citrate, USP 100lb kgs.....b	1.60	: 1.70
INDOL, C. P. 1 oz. bot.....oz	3.50	: 9.00	100 to 250lb kgs. wks..b			Iodide, 5lb bot.....b		: 5.40
Iodides, see Potam. Iodide, etc.			White, broken, bbls. wks.100lb			Lithopone, 400lb bbls. 1c/1 wks..b	.07%	: .08
IODINE, crude, 200lb kgs.....b	3.90	: 3.95	White, gran., bbls. wks.100lb			Bbls. c/1 wks.....b		: .07
Resublimed, 10lb jars.....b		4.55	White, powd., bbls. wks.....b			Imported, 400lb bbls.....b	.06	: .06%
Tincture, USP, 50 gal. bbls..gal	4.50	: 4.60	Kegs. wks.....b			Litmus Cubes.....b	.90	: 1.00
Carboys.....gal	4.75	: 4.85	Brown, broken, bbls. wks.....b			MAGNESITE, crude.....ton		: 15.00
Iodoform, powd. 10lb bot.....b		6.00	USP, 100lb kgs.....b			Calcined, 500lb bbls.....ton		: 55.00
Crystals, 10lb bot.....b		7.00	Arsenate, 100lb bbls. 1c/1 wks..b	.24	: .25	Magnesium mtl., sticks 100lb cs..b	1.25	: 1.30
Iodone, (violet) 1lb bot.....b	5.00	: 9.00	Bbls. c/1 wks.....b	.20	: .21	Carb. tech. 70lb bags NY.....b	.08	: .08%
Iridium, metal 10oz lots.....oz		250.00	Paste, 600lb bbls.....b	.12	: .13	75lb bbls. NY.....b	.08%	: .09
Iron, metal by hydrogen 1 lb bot..b	.65	: .70	Iodide, USP VIII 5lb bot.....b	3.20	: 3.40	USP, 60lb bbls.....b	.10	: .11
IRON & AMM. CITRATE, USP 25lb			Nitrate, 500lb bbls. wks.....b			USP, blocks 100lb cs. 1, 2, 4		: .23
cans.....b		.84	Oxide, lithge, 500lb bbls..100lb	10.90	: 11.15	os.		
Green scales, 25lb cans.....b		.84	100lb kgs. wks.....b			Chloride, fused 575lb drs. c/1		: 34.00
Cacodylate, 10lb bot.....b	9.00	: 9.25	Oxide, red 500lb bbls. wks.....b	11.40	: 11.65	wks.....ton		: 36.00
Citrate, USP VIII 25lb cans..b		.89	100lb kgs wks.....b			Flaked, 350lb drs. wks..ton		: 36.00
Chloride, see ferric or ferrous			Peroxide, 100lb drs.....b			Imp., fused 900lb bbls. NY.ton	26.00	: 28.00
Hypophosphite, 5lb cans.....b	1.50	: 1.60	White, basic carb. 500lb bbls.			Fluocillate, crystals 400lb bbls.		: .15
Syrup, USP VIII.....b		.30	wks.....b	.09%	: .10	wks.....b		: .15
Iodide, 1lb bot.....b		4.45	Bbls. c/1 wks.....100lb			50% soln. 500lb bbls. wks..b	.07	: .07%
Syrup, USP 5lb bot.....b		.41	100lb kgs wks.....b			Soln. bbls. c/1 wks.....b		: .06
Nitrate, kgs.....b	.09	: .10	White, sulfate 500lb bbls. wks..b			Glycerophosphate, 5lb tins.....b		: 3.35
Com'l, bbls.....100lb	2.75	: 3.25	Bbls. c/1 wks.....100lb			Hypophosphite, 5lb cans.....b		: 1.30
Oxalate scales 25lb cans.....b	.80	: .82	Licorice Ext. Mass, cases.....b	.25	: .26	Oxide, USP light 100lb bbls..b		: .45
& Ammon. Oxalate, 25lb bxs..b	.45	: .50	Compound powder, bbls.....b	.11	: .13	USP, heavy 250lb bbls.....b		: .50
& Potassium Oxalate, 25lb bxs..b	.47	: .48	Powdered.....b	.38	: .40	Peroxide, 5lb cans.....b		: 2.15
& Sodium Oxalate, 25lb bxs..b	.40	: .42	Sticks, 1 oz. 100lb cases..b	.45	: .50	Perborate, 1lb tins.....b		: 2.25
Phosphate, USP 25lb cans.....b		.39	LIME (Salts, see Calcium Salts)			Sallylate, 100lb kgs.....b		: .80
Pyrophosphate, USP 25lb			Live, 325lb bbls. ton lots, wks..b			Sulfate, see Epsom Salts		
cans.....b	.90	: .97	Single bbl. wks.....b			Manganese Chloride, 600lb cs.		
Isa-Eugenol, 1lb bot.....b	4.25	: 5.00	Hydrated, 167lb bbl, ton lots,			NY.....b	.09%	: .10
JALAP RESIN, lump 5lb tins..b	3.25	: 3.35	wks.....b			Borate, 30%, 200lb bbls.....b		: .34
Powd. tins.....b	3.40	: 3.50	Single bbl, wks.....b			100lb kgs.....b		: .37
KIESELGUHR, 90lb bags NY...ton	60.00	: 70.00	Oyster Shell, 150lb bbl, single..b			Dioxide, 80-84% 900lb bbls.		
			125lb bag.....b			NY.....ton	80.00	: 85.00
			Sulfur, dry 200lb drs. NY.....b	.08	: .10	85-90%, 900lb bbls. NY.ton	85.00	: 90.00
			Drs. c/1 NY.....b			Hydrated, precip. 100lb kgs..b	.32	: .35
			33° Soln. 50 gal. bbls. NY.gal	.15	: .16			
			Linalool, 5lb bot.....b	7.00	: 7.25			
			Linalyl Acetate, 1lb bot.....b	7.00	: 10.00			
			Benzoate, 1lb bot.....b	13.00	: 14.00			

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Oxalic Acid
Formic Acid 90%

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Schiedam, Holland

Chemicals

Manganese—(continued)

Glycerophosphate, 5 lb tins....lb	3.05
Hypophos. USP VIII 5 lb cans..lb	1.65
Iodide, 1 lb bot.....lb	6.40
Org. bulk NY.....unit	.45
Sulfate, 600 lb cans NY.....lb	.10
Marble Flour, bulk.....ton	10.00
See also Calcium Carbonate	12.00

MENTHOL, USP, 60 lb cases....lb	9.65
Less cases, 5 lb tins.....lb	10.00
MERCURY, metal 75 lb flask..flask	64.00
Less Flasks, 5 lb jugs.....lb	1.02
Bichloride, cryst. 25 lb bxs....lb	1.17
Gran. powd., 200 lb kegs....lb	1.02
Bisulfate, 25 lb boxes.....lb	.98
Blue Mass, 25 lb boxes.....lb	.62
Powdered, 25 lb boxes.....lb	.64
Blue Ointment, USP 25 lb cans	
50%.....lb	.77
USP, dilute 25 lb cans 30%..lb	.59
33 1/3% Mercury.....lb	.67
Calomel, 50 lb bxs.....lb	1.25
Citric Acid 25 lb jars.....lb	.50
Iodide, green 25 lb jars.....lb	4.00
Red, USP 25 lb jars.....lb	4.10
Yellow, USP VIII 25 lb jars..lb	4.00
Red Precip. USP 25 lb bxs....lb	1.33
Powder, USP 25 lb bxs....lb	1.48
White Precip. USP 25 lb bxs..lb	1.49
Powder, USP 25 lb bxs....lb	1.54
With chalk, USP 25 lb bxs....lb	.62
Meta-Nitroaniline, 300 lb bbls..lb	.78
Meta-Nitro-para-Toluidine, 300 lb	
bbls.....lb	2.20
Meta-Phenylenediamine, 300 lb	
bbls.....lb	.90
Meta-Toluylenediamine, 300 lb	
bbls.....lb	.90

METHANOL (Wood Alcohol)

35%, 50 gal. drums. ext....gal	1.12	1.16
87%, 50 gal. drums. ext....gal	1.14	1.17
Pure, 50 gal. drums. ext....gal	1.30	1.35
Acetone free, 50 gal. drums. ext.gal	1.35	1.40
Bbls. incl. 5c higher		
Methyl Acetone, 100 gal drums..gal	1.20	
Tanks cars.....gal	1.15	
Anthraxlate, 1 lb bot.....lb	3.50	
Chloride, 90 lb cys.....lb	.50	
Cinnamate, 1 lb bot.....lb	3.75	4.00
Paracresol, 1 lb bot.....lb	8.00	9.00
Salicylate, USP, 50 lb cases..lb	.47	.57
500 lb drums.....lb	.45	.55
Second Hands, cases.....lb	.50	.52
Methylene Blue, tech. 100 lb kgs..lb	1.00	1.50
USP, medicinal 5 lb cans.....lb	2.25	2.40
Michler's Ketone, 225 lb bbls..lb	3.75	
Milk, powd. 150 lb bbls.....lb	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Monochlorobenzene, see chlorobenzene		
Monocetylamine, 900 lb drs....lb	1.00	
Monomethyl paramidophenol sulfate		
100 lb drs.....lb	4.00	
MORPHINE Sulfate, USP 5 oz. tins		
10 oz.....oz	6.35	
Acetate, 5 oz. tins 10 oz. lots..oz	6.35	
Hydrobromide, 5 oz. tins 10 oz.		
lots.....oz	6.35	
Hydride, 5 oz. tins 10 oz.		
lots.....oz	6.35	
Diacetyl Alk., 1/2 oz. vis. 10		
oz.....oz	10.20	
Hydride, 1/2 oz. vis. 10 oz. oz.	9.25	
Ethyl Hydride, 1/2 oz. vis. 10		
oz.....oz	10.45	
Small Sizes: 1/2 oz. vials, 50c extra;		
1/4s 25c extra; single oz. vis., 7c ex-		
tra, over price for 5 oz. tins. 25 oz.		
lots in 5 oz. tins, 10c oz. lower than		
above schedule. Less than 10 oz. lots		
15c oz. higher than above schedule.		
Musk Ambrette, 1 lb cans.....lb	13.00	15.00
Ketone, 1 lb cans.....lb	12.00	13.00
Xylene, 5 lb cans.....lb	2.75	3.00

NAPHTHA, Solvent, 110 gal. drs.		
wks.....gal	.39	.31
8000 gal. tank cars wks.....gal	.26	.28
NAPHTHALENE, Flake, 175 lb bbls.		
wks.....lb	.08	
Bbls. c/l wks.....lb	.07	
Bbls., second hands NY.....lb	.07	.07 1/2
Balls, 250 lb bbls. wks.....lb	.09	
Bbls. c/l wks.....lb	.08	
Bbls., second hands NY.....lb	.08	
Crushed, bgs., wks.....lb	.08	
Crude, imp., bgs.....lb	.02	.03
Nerolin, 1 lb tins.....lb	1.75	2.00
Nickel Metal, electrolytic 100 lb		
kegs.....lb	.30	
Ingot, 100 lb kegs.....lb	.39	.32
Salt, single 400 lb bbls. NY..lb	.11	.12
Double, 400 lb bbls. NY.....lb	.10	.11
Oxide, 100 lb kegs NY.....lb	.40	.42
Sulfate, 450 lb bbls.....lb	.07	.07 1/2
Nitro Cake, bulk wks.....ton	6.50	8.00
500 lb bbls.....ton	13.00	14.00
Nitrobenzene, crude, 1000 lb drs.		
wks.....lb	.09 1/2	.10
Redistilled, 1000 lb drs. wks..lb	.10	.11
Nitronaphthalene, 550 lb bbls..lb	.20	.21
Nitrotoluene, mixed 1000 lb drs.		
wks.....lb	.14	.15
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh. 50 gal. bbls.gal	1.00	1.25
Oil Mirbane, see nitrobenzene		
Opium, see crude drugs		
Orange Mineral, 800 lb cans NY..lb	.15 1/2	.16
500 lb bbls. NY.....lb	.15 1/2	.16 1/2
Ortho-Aminophenol, 50 lb kegs..lb	3.00	
Ortho-Anisidine, 100 lb drs.....lb		
Ortho-Dichlorobenzene, 1000 lb drs.		
wks.....lb	.06	.08
Ortho-Nitrochlorobenzene, 1200 lb		
dr. wks.....lb	.18	.20
Ortho-Nitrophenol, 350 lb 3 bbls. lb		1.25

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Ammonium Persulfate, 98%
Calcium Chloride, anhydrous, granular
Copper Chloride, cupric*
Nickel Formate
Potassium Binoxalate
Potassium Thiocyanate
Sodium Oxalate
Tin Crystals

*Copper Chloride, Cupric is an unusually high quality product for technical use; very free from cuprous and makes a clear solution. Give it an exacting trial.

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Chemicals

Ortho-Nitrotoluene, 1000 lb. drs. wks.09 : .10	Para-Phenylenediamine, 350 lb. bbls.	1.45 : 1.55	Phosphorus, red 110 lb. ca. wks.
Ortho-Toluidine, 350 lb. bbls. ....	.14 : .16	Para-Toluene-Sulfonamide, 175 lb. bbls. ....	.40 : .41	Imported, 112 lb. cans. ....	...
Oxall, USP 5 lb. bot.	3.00	Para-Toluene-Sulfonchloride, 410 lb. bbls. wks. ....	.25 : .30	Yellow, 110 lb. ca. wks. ....	.35
PALLADIUM, metal 10 oz. lots ca.	51.00 : 53.00	Para-Toluidine, 350 lb. bbls. wks. ....	.90 : 1.00	Imported, 112 lb. cans. ....	.30
Pancreatin, USP 5 lb. bot.	1.50 : 1.60	PARIS GREEN		Phosphorus Trichloride, 175 lb. cyl. wks. ....	.45
Papain, 1 lb. bot.	2.15 : 2.25	Arsenic Basis, 500 lb. kegs. ....	.28 : .30	Phthalic Anhydride, 175 lb. bbls. ....	.30
Paraffin, ref'd 200 lb. ca. slabs		Kegs, 100 lbs. ....	.32 : .33	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 ca. vials.	7.50
120-125 Deg. M. P. ....	.03% : .03%	Kits, 56, 28, 14 lbs. ....	.31 : .33	Nitrate	7.50
125-130 Deg. M. P. ....	.04 : .04%	Packages, 5 and 2 lbs. ....	.32 : .33	Single ounces	5.75
130-135 Deg. M. P. ....	.04 : .04%	Packages, 1 lb., 1/2, 1/4 lb. ....	.34 : .36	Alkaloid, 15 gr. vls. ....	.75
135-140 Deg. M. P. ....	.05 : .06%	Paris White, see whitening, French		Piperazine Hydrate, 1 lb. bot.	16.00
Para-Aminobenzenesulfonamide, 100 lb. kegs.	1.05 : 1.15	Pepsin, USP 5 lb. bot.	2.25 : 2.50	Pitch, Coal-Tar, wks.	30.00 : 33.00
Para-Aminophenol, 100 lb. kegs.	1.40 : 1.50	PETROLATUM, green 300 lb. bbls. ....	.02% : .03	Plaster Paris, tech. 350 lb. bbls.	3.30
Hydrochloride, 100 lb. kegs.	1.40 : 1.50	Dark Amber 300 lb. bbls. ....	.03% : .04	True Dental, 300 lb. bbls.	4.50
Para-Dichlorobenzene, 50-300 lb. bbls. wks. ....	.17 : .20	Light Amber, 300 lb. bbls. ....	.04% : .05	Platinum, metal soft 10 oz. lots.	116.00
25-50 lb. kegs. ....	.18 : .22	Cream White, USP 300 lb. bbls. ....	.07 : .07%	Podophyllin, 5 lb. bot.	5.50 : 6.00
Paraldehyde, 100 gal. drs. ....	...	Lily White, USP, 300 lb. bbls. ....	.09 : .09%	Second Hands ....	...
Paraformaldehyde, USP 100 lb. ca. ....	.52% : .55	Snow White, USP, 300 lb. bbls. ....	.12% : .13	POTASH, CAUSTIC, solid 88-92% 700 lb. drs. wks. ....	.09 : .09%
Para-Nitroacetanilide, 300 lb. bbls. ....	.55 : .60	PHENOL, see also acid carbolite		Imp., 88-92% 700 lb. drs. NY. ....	.07% : .08
Para-NITROANILINE, 300 lb. bbls. wks. ....	.74 : .75	American makers, drums wks. ....	.35 : .36	USP, by alcohol 5 lb. cans. ....	.46 : .48
Para-Nitrochlorobenzene, 1200 lb. drs. wks. ....	.21 : .30	Open market, 950 lb. drs. ....	.30 : .32	cases ....	.39 : .35
Para-Nitro-ortho-Toluidine, 300 lb. bbls.	2.75 : 2.85	240 lb. des. drs. wks. ....	...	POTASSIUM Acetate, USP, 100 lb. kegs. ....	.30 : .31
Para-Nitrophenol, 185 lb. bbls. ....	.75 : .80	Imported, 336 lb. des. drs. ....	...	Bicarbonate crya. 220 lb. bbls. ....	.08% : .09%
Para-Nitrodimethylaniline, 120 lb. bbls.	1.35 : 1.39	Phenolphthalein, USP 100 lb. drs.	1.55 : 1.60	Bichromate, crya. 900 lb. cases wks. ....	.10% : .10%
Para-Nitrotoluene, 350 lb. bbls. ....	.50 : .60	5 lb. cans, 100 lb. lots.	1.55 : 1.60	Powd., 900 lb. cases wks. ....	.12
Para-ox-Benzaldehyde, 100 lb. kegs.	1.50 : 1.60	Phenylacetaldehyde, 'dom. 1 lb. bot.	9.00 : 11.00	Rincorate, 300 lb. bbls. ....	.33 : .34
Para-Phenetidin, 500 lb. drs.	1.55 : 1.80	Imported	12.00 : 14.00	Sulfate, C.P. 5 lb. cans. ....	.30
		Phenyl-Alpha-Naphthylamine 100 lb. kegs. ....	...	100 lb. kegs. ....	.22
		Phenylethylalcohol, 1 lb. bot.	8.00 : 9.00	Bromate, 100 lb. ca. ....	.45
		Imported	8.50 : 10.00	BROMIDE, USP cryst. 450 lb. bbls. ....	.26
		Phogene, 100 lb. cylinders. ....	...	Granular, 300 lb. bbls. ....	.26
		Phosphorus Oxidechloride, 175 lb. cyl.35 : .40	Cases 100 lb.27
				Imported, USP, 220 lb. ca.16% : .17%

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U. S. A.

Chemicals

POTASSIUM—(Continued)

CARBONATE, 80-85% calc.		
800 lb cks. lb	.06%	.06%
80-85%, hydrated, 800 lb cks. lb	.07%	.07%
90-95% casks lb	.06%	.06%
96-98% casks lb	.07%	.07%
99% casks lb	.09%	.10
USP, 100 lb kegs. lb	.11	.12
Chlorate, crys. 112 lb kgs. c/l wks. lb	.08%	.08%
Imp. 112 lb kegs NY. lb	.08	.08%
Powd., 112 lb kegs wks. lb	.08%	.09
Imp. kegs NY. lb	.07	.07%
Pyrotechnic, fine powd. NY. lb	.08	.09
USP, fine crys. 110 lb kegs NY. lb	.08	.09
Citrate, USP 10 lb cans. lb	.63	.66
Cyanide 110 lb cans. lb	.45	.50
Glycerophosphate, 75% Soln. 25 lb tins. lb	1.65	1.70
Guaicol Sulfonate, 5 lb cans. 10 lb lb	1.50	1.75
Hypophosphite, 10 lb cans. lb	...	.85
Iodide USP, 100 lb cans. lb	3.75	3.85
Second Hands, cases. lb	...	3.65
Lactophosphate, 4oz bot. oz	...	.90
Metabisulfite, 300 lb bbls. lb	...	.23
Imp., 300 lb bbls. lb	.14	.16
Muriate, 80%, 200 lb bags, NY K ₂ O unit lb	...	.63
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. lb	.40	.45
Perchlorate, 112 lb kegs. lb	.09	.10
Permangan, USP, crys. 112 lb drs. lb	.17	.18
Prussiate, red, 100 lb bbls. lb	...	.64
500 lb casks lb	...	.63
Prussiate, yellow, 500 lb casks. lb	.34	.35
Salicylate, 25 lb cans. lb	...	.63

POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K ₂ O unit ...	: .93
USP, VIII, 100 lb kegs. lb	.18
Sulfocyanide, CP 25 lb jars. lb	: .70
Tartrate, neutral, 100 lb kegs. lb	: .53
Titanium Oxalate 200 lb bbls. lb	.27
Pumice Stone, lump, 250 lb bbls. lb	.04%
Lump, bags lb	.03%
Powdered, 350 lb bbls. lb	.02%
Pyridine, 50 gal. drums. gal	4.00 : 4.25
QUICKSILVER, see Mercury	
Quinidine Alk., 100oz tins. oz	.70 : .75
Sulfate, 100oz tins. oz	: .50
Quinidine, see Chinidin	
QUININE SULFATE, USP,	
American, 100oz tins. oz	: .50
1oz tins, 100oz lots. oz	: .57
Dutch, 100oz tins. oz	: .49
Java, 100oz tins. oz	: .49
Japanese, 100oz tins. oz	: .49
Quinidine Alk., 100oz tins. oz	.70 : .75
Acetate oz	: .88
Arsenate oz	: .88
Benzoate oz	: .88
Bisulfate, USP oz	: .50
Citrate oz	: .62
Dihydride, USP oz	: .66
Dihydride oz	: .66
Dicarbonate, 10oz tins. oz	: 2.50
Ethyl Carbonate, 16 oz tins. oz	: .95
Ferrocyanide oz	: .88
Formate oz	: .85
Glycerophosphate oz	: .88
Iodide oz	: .88
Hydrobromide, USP oz	: .63
Hydrochloride, USP oz	: .63
Hydrochlorosulfate oz	: .66

QUININE—(continued)

Hydride & Urea, USP. lb	: .88
Hypophosphite oz	: .83
Lactate oz	: .78
Phenolsulfonate oz	: .88
Phosphate oz	: .74
Salicylate, USP oz	: .63
Tannate, USP oz	: .45
Tartrate oz	: .88
Valerate oz	: .89
Small Sizes: 1oz vials or cans, 50oz lots, 5c on extra; 5oz cans, 50oz lots 3c on extra; 25oz cans, 50oz lots, 2c on extra; single 1oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz lots in 100oz cans. Smaller orders or containers extra as above schedule.	
N SALT, 250 lb bbls. wks. lb	.55 : .70
Red Lead, see lead oxide	
Red Precipitate, see mercury.	
Resorcin, see resorcinol.	
Resorcinol tech. 100 lb kegs. lb	1.50 : 1.55
USP, 25 lb cans. lb	2.15 : 2.35
Rochelle Salt, USP, 225 lb bbls. lb	: .31
Imp. USP, 300 lb bbls. lb	.10%
Rosewater, triple, 5 gal. dems. gal	.90 : 1.10
Rotten Stone, lump imp., bbls. lb	.07 : .09
Lump selected, bbls. lb	.09 : .13
Powdered, bbls. lb	.02 : .05
Domestic, bags, mines. ton	24.00 : 30.00



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Chemicals

SACCHARIN, USP, 1 lb cans, 25 lb			Soap, Castile, 40 lb bxs.....lb			SODIUM ACETATE, crys 450 lb bbls		
Soluble, USP, 1 lb cans, 25 lb..lb			Powd. USP, 250 lb bbls....lb			wks.....lb		
Sal Ammoniac, see Ammon. Chloride			Green, USP, 150 lb kegs.....lb			Ton lots, bbls. wks.....lb		
Salicin, USP, 1 lb cartons, 25 lb..lb			Soapstone, see Talc, crude			Imp. 500 lb casks.....lb		
Salol, USP, 100 lb drums.....lb			SODA ASH, 58% light bgs NY			Aluminum Sulfate, see alum soda.		
Salt, Common, see sodium chloride.			flat, ex-warehouse.....100 lb			Benzate, USP, 100 lb bags..lb		
Salt Cake, c/l f.o.b. wks.....ton			Bbls., ex-warehouse.100 lb			Bicarbonate, 400 lb bbls NY100 lb		
SALTPETRE, Double Refined			Contract, Basis 58% bags c/l			Bbls c/l wks.....100 lb		
Granular, 400-500 lb bbls.,			wks.....100 lb			112 lb kegs wks.....100 lb		
c/l wks.....lb			Prompt and spot, Basis 58% bags			112 lb kegs, NY.....100 lb		
Less c/l works, bbls.....lb			c/l wks.....100 lb			Bichromate, 600 lb casks wks..lb		
Large Crystals, 350-400 lb bbls.,			Soda Ash, 58% dense, bags ex-			Casks, c/l wks.....lb		
c/l wks.....lb			warehouse, NY.....100 lb			Casks, NY.....lb		
Small Crystals, 350-400 lb bbls.			Bbls., ex-warehouse.100 lb			Bisulfite, dry powder, 500 lb		
c/l wks.....lb			Contract, Basis 58% bags c/l			bbls., wks.....lb		
Powdered, bbls. c/l wks.....lb			wks.....100 lb			Solution, 32-40°, 500 lb bbls.		
Imported, 500 lb bbls., NY.....lb			Pmpt. and spot, Basis 58% bags			wks.....100 lb		
Santonin USP, 1 lb bot.....lb			c/l wks.....100 lb			Bromate, 100 lb cs.....lb		
Powd. 1 lb bot.....lb			Prices on soda alkalies are based on actual			Bromide, USP, 500 lb bbls....lb		
Saponin, ex Quillaja, 5 lb tins...lb			percentages and not N. Y. & L. test.			Cases, 100 lb.....lb		
Satin, White, 500 lb bbls.....lb			SODA, CAUSTIC, 76% solid, resale,			Imp. USP, 112 lb cs.....lb		
Schaeffer's Salt, 250 lb bbls.wks..lb			NY flat.....100 lb			Caecodylate, USP, 5 lb bot.		
Scopolamine, see hyoscine.			76% solid dra. ex-warehouse			25 lb.....lb		
Seidlitz Mixture, 225 lb bbls....lb			NY.....100 lb			Carbonate, sal soda, 350 lb bbls		
SILICA			Contract basis 76% c/l wks.			lc/l NY.....100 lb		
Crude, bulk, mines.....ton			100 lb			Works c/l.....100 lb		
Refined, floated, bags.....ton			Pmpt and spot, Basis 60%			Monohydrate, 400 lb bbl.		
Air floated, bags.....ton			c/l wks.....100 lb			lc/l.....100 lb		
Extra, floated, bags.....ton			Contract 76% low grade c/l			Pure photographic, 100 lb		
SILVER, metal, American.....oz			wks. flat.....100 lb			kg.....lb		
Foreign.....oz			Ground & flake, 76% pmpt and			Chlorate, 112 lb kegs, wks....lb		
Colloidal, 16oz bot.....oz			spot, wks c/l drs.....100 lb			Imported, 112 lb kegs.....lb		
Silver Iodide, 16oz bot.....oz			Contract, 76% drums, c/l wks			Chloride, tech. 200 lb bags..ton		
Nitrate, USP, 200oz bot.....oz			flat.....100 lb			C. P. 300 lb bbls.....lb		
Nucleinate, 16oz bot.....oz			76% drs. ex-warehouse NY100 lb			Citrate, USP, IX, 100 lb kegs..lb		
Proteinat, 16oz bot.....oz			USP, stick, 10 lb cans.....lb			USP, VIII, 100 lb kegs....lb		
			Pure, stick, by alcohol.....lb			Cyanide, 96-98%, 100 lb cases		
						wks.....lb		
						Ton lots, wks.....lb		
						73-76%, 100 lb cases, wks..lb		
						125-128%, 200 lb cs.....lb		
						120-125%, 200 lb cs.....lb		
						Fluoride, 350 lb bbls, NY imp. lb		



Soda Ash

Modified Soda Bicarbonate of Soda

Caustic Soda Special Alkali

Textile Soda

Manufactured and Sold by

DIAMOND ALKALI COMPANY

GENERAL OFFICES - PITTSBURGH, PA.

Chemicals

SODIUM—(Continued)


Glycerophos, USP, crys 25 lb		
cans	1.70	1.75
Powder, 25 lb tins	1.75	1.80
Solution, USP 25 lb tins	1.00	1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb chys. lb		.05
14½% soln, 50 lb chys. lb		.04
Hydroxide, 200 lb bbls. fob. wks. lb	.19	.22
Hypophosphite, USP, 25 lb cans		
lb .....		.75
HYPOSULFITE, tech. pea crys.		
375 lb bbls. wks. 100 lb	2.90	3.20
Bbls. c/l wks. 100 lb		2.75
100 lb kegs wks. 100 lb	3.00	3.60
Granulated, bbls. wks. 100 lb	3.15	3.55
Bbls. c/l wks. 100 lb		3.00
Kegs wks. 100 lb	3.25	3.85
Regular crystals 100 lb	2.65	2.90
Iodide, USP, 25 lb jars		4.25
Metanilate, 150 lb bbls. lb	.55	.60
Naphthionate, 300 lb bbls. lb	.60	.62
Nitrate, crude, 95%, 200 lb bgs		
c/l NY	2.42½	2.45
Futures, NY		2.45
Double Redned, 400 lb bbls		
gran. c/l wks. 100 lb		.04½
Nitrite, 500 lb bbls. wks. lb	.07½	.07½
Bbls. spot, makers .....		.07½
Imp. 650 lb casks .....	.07½	.07½
Ortho-Chloro-para-Toluene Sulfo-		
nate, 175 lb bbls. wks. lb	.25	.27
Oxalate, neutral, 100 lb kegs lb		.47
Perborate, 275 lb bbls. lb		.24
Imp., 225 lb drs. lb	.18	.19
Peroxide, 200 lb cases. lb	.25	.27
Phosphate, di-sodium, tech 550 lb		
bbls. .....	.03½	.03½
USP, gran. 275 bbls. lb	.07	.07½
Imp. gran. .....	.05½	.06
USP, recryst 275 bbls. lb	.10	.11
Mono-sodium 100 lb kegs. lb	.24	.26
Tri-sodium tech. c/l, bbls. lb	.04½	.05
Pieramate, 100 lb kegs. lb		.60

SODIUM—(Continued)

Para-Toluene Sulfonate, 175 lb		
bbls .....	.08	.08
PRUSSIAN, yellow, 250 lb bbls. lb		.14½
Imp. 450 lb cks. lb		.14½
Pyrophosphate, 100 lb kegs. lb	.18	.22
Salicylate, 100 lb kegs. lb	.40	.47
Second Hands, USP, kegs. lb	.44	.46
Silicate, 60° 700 lb bbls. f.a.s.		
NY		2.00
Works, 1000 lb drums. 100 lb		1.90
Works, tanks		1.75
40° domestic, 700 lb c/l f.o.b.		
wks. 100 lb		.80
Works, 1000 lb drums. 100 lb		.82½
Works, tanks .....		.75
Spot, drums, bbls. 100 lb	1.30	1.50
Silicofluoride, 450 lb bbls. NY. lb	.07½	.07½
Sulphate, see Glauber's Salt.		
Sulide, 60% solid, 650 lb drs		
le/l wks. .....	.05	.05½
Dra. c/l wks. .....		.04½
Imp. 700 lb drs. NY. lb	.03	.03½
60% broken, 650 lb drs wks. lb	.05	.05½
Imp. 500 lb drs. NY. lb	.03½	.04
30% crys. 400 lb bbls. wks. lb	.02½	.02½
Imp., 400 lb bbls. lb	.02½	.02½
Sulfite, crys. 400 lb bbls. wks. lb	.03½	.03½
Dessicated, 400 lb bbls. lb	.09½	.10
Sulfocarbonate, USP, 100 lb		
kegs .....	.42	.44
Sulfocyanide, 400 lb bbls. lb	.45	.47
Tungstate, crys. 100 lb kegs. lb		.55
Dessicated, kegs .....		.65
Solvent Naphtha, see Naphtha		
Sparteine Sulfate, USP, 25oz bulk. oz	.60	.70
Single oz. vial .....		.60
Starch, rice, 140 lb bags. lb	.09	.10

STRONTIUM Bromide, USP, 100 lb

kegs .....		.33
Carb. 600 lb bbls. wks. lb		.07
100 lb kegs wks. lb		.08
Iodide, USP, 25 lb jars		4.00
Nitrate, 600 lb bbls. wks. lb		.11½
Imp., bbls. NY. lb	.10	.11
Salicylate, USP, 100 lb kegs. lb		.85
STRYCHNINE Alkaloid, USP, crys		
100oz tins		1.18
Alk. powd, USP		1.65
Acetate		1.05
Glycerophosphate, USP		1.05
Hydrobromide		1.05
Hydrochloride		1.05
Hypophosphite		1.18
Nitrate, USP		1.05
Phosphate		1.05
Sulfate, USP, crys powd. lb		.84
Saccharinate		2.15
Strychnine preparations quoted bases		
100oz lots in 100oz tins. Small Sizes:		
½ oz vials, 50c extra; ¼ oz vials, 25c		
extra; single ounce vials, 7c extra. Lots		
of 25 ozs. 5c higher than above		
schedule. Lots of less than 25 ozs.		
10c higher per oz.		
Sugar Milk, USP, 200 lb bbls. lb	.21	.22
Second Hands, USP, bbls. lb	.21	.22
Sulfomal, see Sulfonmethane.		
Sulfonmethane, USP, bxs 5 lb. lb		4.00
Sulfonmethane, USP, 5 lb bxs. lb		5.00
SULFUR, crude, bulk, c/l NY. ton		19.00
Crude, f.o.b. mines. ton	14.00	15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	1.95
Less c/l bags NY. 100 lb	1.85	2.10
Roll, 500 lb bbls. c/l NY. 100 lb		2.15
Less c/l bags NY. 100 lb	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb		
bbls, NY 100 lb	2.60	3.15



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CAUSTICIZED ASH

CAUSTIC SODA

MODIFIED SODA

Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY	1.85	1.65
For Dunting, 99%, 100 lb bgs NY	2.00	2.50
Flowers, 100%, 340 lb bbls NY	3.00	3.55
Precipitated, 125 lb bbls NY .....	.14	.16
Lac, 125 lb bbls NY .....	.07	.10
Sulfur Chloride, red, 700 lb drs. wks. ....	.05	.06
150 lb chys. wks. ....	..	.06
Yellow, 700 lb drs. wks. ....	.05	.06
150 lb chys. wks. ....	..	.06
Sulfur Dioxide, 100 lb cyl. ....	.08	.08½
Iodide, USP, VIII, 5 lb bot. ....	..	4.55
Sulfuric Ether, see Ether.		
Sulfuric Chloride, 600 lb drs. B .....	..	.70
TALC, Italian, 230 lb bags NY	35.00	40.00
Refined, white, bags	42.00	55.00
French, 230 lb bags NY	25.00	30.00
Refined, white, bags	32.00	45.00
Dom. crude, 100 lb bags NY	10.00	15.00
Refined, 100 lb bags NY	18.00	25.00
Tartar Emetic, tech. 700 lb bbls. B .....	.24	.25
USP, 300 lb bbls. ....	.26½	.27
Terpin Hydrate, USP, 100 lb kegs B .....	.70	.72
Terpineol, CP 1000 lb drums .....	.50	.53
Cans, 50 lb .....	.55	.57
Imported, cans, 25 lb	1.00	1.25
Terpenyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls 100 lb No. 2, bbls	1.85	1.90
Theobromine ALK., 5 lb cans	1.25	1.55
and Sod. Sulfate, 1 lb bot.	4.00	4.50
Talco-carbonillid, 170 lb bbls.	2.80	2.90
Thymol, USP, 100 lb cans .....	.28	.30
Iodide, 5 lb boxes	3.25	3.50
TIN, Metal Straits, NY .....	..	6.75
American standard, NY .....	..	38.12
99% American, NY .....	..	37.75
..	..	37.50

Tin—(continued)

Bichloride, 50% soln 100 lb bbls. wks. ....	..	.11½
Crystals, 500 lb bbls. wks. ....	..	.30½
100 lb kegs, wks. ....	..	.31
Oxide, 400 lb bbls. wks. ....	..	.45
100 lb kegs wks. ....	..	.47
Tetrachloride, 1000 lb drs. wks. B .....	..	.25
Telluride, 350 lb bbls. ....	.95	1.00
Sulfate, 350 lb bbls. ....	..	1.00
Toluene, 8000 gal tank cars, wks. gal .....	.26	.28
110 gal drs. wks. ....	.31	.33
Toluidine, Mixed, 900 lb drs. wks. B .....	.31	.32
Tribromphenol, 100 lb cases .....	..	1.00
Trional, see Sulfonethymethane.		
Triphenyl Phosphate, 450 lb bbls. B .....	..	.60
Tripoli, 500 lb bbls.	2.50	3.00
Tungsten NY	8.35	9.00
UREA, pharm. 112 lb cases .....	..	.30
VANILLIN, USP, 400 oz cans .....	.40	.40½
Cans, 80 ozs. ....	..	.40½
Cans, 16 ozs. ....	..	.41½
Verdigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs .....	..	.35
English, kegs .....	..	1.30
Veratrine Sulfate, 10s vial .....	..	2.50
Hydrochloride, 10s vial .....	..	2.50
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/l wks. ton	14.00	16.00
Bags, 1c/l NY .....	..	22.50
Gilders, bags, NY	13.50	15.00
French, bags, NY .....	..	18.00
English, bags, NY .....	..	23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20	1.25

XYLENE, 2° dist range, nitration

110 gal. drs. NY .....	..	.65
5° dist. range, 8000 gal tanks wks. ....	..	.70
110 gal. drs. wks. ....	..	..
Commercial, 110 gal drs., wks. gal .....	..	.34
Tanks, wks. ....	..	.29
Xylidine, 900 lb drs. ....	..	.50
YARA YARA, 1 lb tins	1.75	2.00
Yohimbin Hydchlide, 1 oz. vial. oz.	7.00	7.50
ZINC, METAL, high grade, slabs c/l NY .....	..	8.50
Common Slabs, c/l NY	6.55	6.60
Mossy, 25 lb bxs NY .....	..	.10
Ammonium Chloride, powd., 400 lb bbls. ....	.07½	.08
Carb. tech. 150 lb kegs NY .....	..	.18
USP, 100 lb kegs .....	..	.30
Chloride, fused, 600 lb drs. wks. B .....	..	.06
Drs. c/l wks. ....	..	.05½
Imp. drs. NY .....	.05½	.06
Granulated, 500 lb bbls. wks. B .....	.08	.09
Imported, drs. NY .....	.06½	.07
USP, 25 lb jars .....	..	.25
Cyanide, 100 lb drs. ....	.42	.43
Dust, 100 lb tins wks. ....	.09½	.10
500 lb bbls, kegs, 1c/l wks. B .....	..	.09½
500 lb bbls, kegs, c/l wks. B .....	..	.08½
Iodide, 5 lb bottles .....	..	5.30
Nitrate 25 lb jars .....	..	.35
Oxide, Amer. 300 lb bbls, wks. B .....	.08½	.09
Bbls. c/l wks. ....	.08½	.08½
French, 300 lb bbls wks. ....	.10½	.12½
Bbl c/l wks. ....	.10	.12
Bags, c/l wks. ....	.09½	.10½
USP, 100 lb bbls. c/l .....	..	.16
Ton lots, wks. ....	..	.17
Imported, white seal, bbls. ....	..	.12½
Green seal, bbls. ....	..	.10
USP, 100 lb bbls. ....	.15	.17
Stearate, USP, 60 lb bbls. ....	..	.23
Sulfate, 400 lb bbls, wks.03½	.03½
Bbls. c/l wks.02½
USP, 100 lb kegs08	.09
Sulfocarbonate, 100 lb kegs. B37	.39



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Castor. No. 1, 400 lb bbls.....lb	.13½	.14½
80 lb cases.....lb	..	.14½
No. 3, bbls.....lb	.13	.14
Blown, 400 lb bbls.....lb	..	.15½
China Wood bbls., spot NY.....lb	..	.23
8000 gal. tks. NY.....lb	..	.23
Aug. Sept., forward, bbls, China.....lb	.22½	.23
Coast. tanks, Aug. forward.....lb	.21½	.22
Cocunut Ceylon, 375 lb bbls, NY.....lb	..	.09½
8000 gal. tanks, NY.....lb	..	.08½
Cochin, 375 lb bbls, NY.....lb	.10½	.10½
Tanks, NY.....lb	.09	.09½
Manila, tanks, P. Coast.....lb	..	.07½
Edible, bbls, NY.....lb	.10½	.10½
Cod Newfoundland, 50 gal. bbls, gal	.62	.65
Tanks, NY.....lb	..	..
Copra, bags.....lb	..	.04½
Corn, ref. 375 lb bbls, NY.....lb	.12½	.12½
Crude, tanks mills.....lb	..	.07½
Bbls. NY.....lb	..	.10
Cottonseed, crude tks, mills.....lb	..	.09½
P. S. Y., 100 bbl. lots NY.....lb	..	.10½
White, 100 bbl. lots NY.....lb	..	.10½
Winter yellow, 100 bbls, NY.....lb	.03½	.04
Degras, Amer. 50 gal. bbls, NY.....lb	.04	.04½
Englib, bbls, NY.....lb	.11	.14
Neutral, bbls, NY.....lb	..	.08½
Greases, choice white, bbls, NY.....lb	..	.05½
Yellow.....lb	..	.05½
Brown.....lb	..	.06
Horse.....lb	..	.06
Bone naphtha.....lb	..	.06
Herring, Tanks, Coast.....gal	..	..
Horse, 375 lb bbls, NY.....lb	..	.10
Lard, prime steam bbls.....lb	..	.11
Compound bbls.....lb	.11½	.12
LARD OIL, Edible prime, bbls.....lb	..	.14½
Off prime, bbls.....lb	..	.12½
Extra bbls.....lb	..	.11½
Extra No. 1, bbls.....lb	..	.11
No. 1 bbls.....lb	..	.10½
No. 2 bbls.....lb	..	.10

LINSFED, raw c/l bbls, spot.....gal	..	.97
Five bbls., raw.....gal	1.00	1.03
Boiled, 5 bbl. lots.....gal	1.02	1.05
Double boiled 5 bbl. lots.....gal	1.03	1.06
Raw, 1c/l bbls.....gal	1.00	1.03
Sept., Oct., Nov., c/l bbls.....gal	.92	.85
Imported, bbls., NY.....gal	.96	1.00
Tanks, NY.....gal	.93	.95
Menhaden, crude, bbls, wks.....gal	..	..
Crude, tanks wks. Balt.....gal	.37½	.40
Light strained, tanks.....gal	..	..
Light strained, bbls, NY.....gal	.68	.70
Yellow bleached, bbls, NY.....gal	.70	.72
Blown, bbls, NY.....gal	..	.78
Neatsfoot, 20° c.t. bbls, NY.....lb	..	.17½
30° cold test, bbls, NY.....lb	.15½	.15½
Prime, bbls, NY.....lb	..	.14½
Oleo Oil, No. 1, bbls, NY.....lb	..	.11½
No. 2, bbls., NY.....lb	..	.09½
No. 3, bbls, NY.....lb	..	.08½
OLIVE, denatured bbls, NY.....gal	1.12	1.15
Edible, bbls., NY.....gal	1.70	2.00
Feeds, bbls, NY.....lb	..	.08½
Shipment.....lb	..	.08½
Palm Lagos, 150 lb casks.....lb	.07	.07½
Niger casks.....lb	.06½	.07
Bonny old Calabar, casks.....lb	..	..
Palm Kernel, 1500 lb casks NY.....lb	.08½	.09
Peanut, refined bbls, NY.....lb	.15	.15½
Crude, mills buyers' tks.....lb	..	..
Crude, bbls, NY.....lb	.12	.12½
Ferilla, bbls, NY.....lb	.15	.15½
Poppyseed, bbls, NY.....gal	2.20	2.20
Rapeseed, refined bbls, NY.....gal	..	.80
Blown, bbls., NY.....lb	.95	.98
Red Oil, distilled, bbls.....lb	.09½	.10
Saponified, bbls.....lb	.09½	.10
Tanks.....lb	..	.08½
Salmon, 8000 gal. tks. Coast.....gal	..	..
Sesame, domestic edible bbls.....gal	..	1.00
Sed Oil, bbls, NY.....gal	..	.45

SOYA BEAN, crude tks. Coast.....lb	.09	.09½
Crude, Tks. D.P., NY.....lb	..	.09
Crude, bbls, NY.....lb	.10½	.10½
Sperm, 38° c. t. blchd. bbls, NY, gal	..	.99
45° cold test, blchd. bbls, NY, gal	..	.94
STEARIC ACID, s.p. 200 lb bags, lb	.12½	.13½
Double pressed, bags.....lb	.13	.13½
Double pressed, bgs., saponified, lb	.13	.13½
Triple pressed, bgs., saponified, lb	.14½	.14½
Triple pressed, bgs., distilled, lb	.14½	.14½
Stearine, oleo, bbls.....lb	..	.09½
Lard, bbls.....lb	..	.13
Tallow, edible, tierces.....lb	.08½	.08½
City extra, looco.....lb	..	.08½
Tallow Oil, acidless tks. NY.....lb	..	.08½
Bbls., c/l NY.....lb	..	.10½
Walnut, crude bbls, NY.....lb	..	..
Whale, nat. winter bbls, NY.....lb	..	.75
Blchd. winter bbls, NY.....gal	.78	.80
Extra Blchd. bbls, NY.....lb	.81	.82
Crude, No. 1, tanks Coast.....lb	..	..
Crude, No. 2, tanks Coast.....lb	..	..
Crude No. 3, tanks Coast.....lb	..	..

Fertilizer Materials

Ammon. Sulf, bulk wks.....100 lb	..	3.15
Double bgs, f.a.s. NY.....100 lb	..	3.45
Blood, dried f.o.b. NY.....unit	..	3.75
Bone, 3 & 50 ground steamed, ton	25.00	28.00
Raw, Chicago.....ton	..	30.00
Cyanamide wks.....unit	2.80	3.25
Fish Scrap, dried wks.....unit	3.75	4.10
Acid, Bulk, 7 & 3½, sav. unit	3.25	4.10
NITRATE SODA, NY.....100 lb	2.42½	2.45
Phosphate Rock, f.o.b. mines, ton	3.25	4.50
Florida pebble, 68-75%.....ton	..	5.50
Tennessee, 72%.....ton	..	5.50
Phosphate Acid, 16% Bulk wks, ton	8.50	9.00
Potassium Murate, 80%.....unit	..	.68
Sulfate.....unit	..	.93
Steamed Bone Meal, NY.....ton	32.00	35.00
Tankage, ground, NY.....unit	3.60	4.10
High grade f.o.b. Chicago.....unit	3.15	4.10



Hydrochloric Acid, C. P.

Spec. Grav. 1.178-1.183 6 lbs.

THE STANDARD OF PURITY

Acidity	35-36% HCl
Fe	.00001%
H ₂ SO ₄	.00025%
Free Cl	"Nil"
As	Trace
Nonvolatile	.0002%

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Tannins and Dyestuffs

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	...	95
Wood Turpentine, stm. dist'd bbls.gal	...	85
Destructive distilled, bbls.....gal	...	80
Pine Oil, stm dist'd, bbls.....gal	...	68
Pitch, prime.....bbl	5.50	6.00
Rosins. (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	5.75
D.....280 lb	...	5.95
E.....280 lb	...	5.95
F.....280 lb	...	5.95
G.....280 lb	...	5.95
H.....280 lb	...	5.95
I.....280 lb	...	5.95
K.....280 lb	...	6.00
M.....280 lb	...	6.25
N.....280 lb	...	6.75
WG.....280 lb	...	7.25
WW.....280 lb	...	7.25
Rosin Oil, first run, 50 gal. bbls.gal	...	45
Second run, bbls.....gal	...	47
Tar, kiln-burnt.....bbl	12.00	
Retort.....bbl	11.00	

Woods

Barwood, chips.....lb	0.4%	.05
Camwood, chips.....lb	.09	.13
Divi Divi, pods 100-200 lb bags.ton	40.00	42.00
Fustic, sticks.....ton	30.00	35.00
Chips.....lb	.04	.06
Hemlock, bark.....ton	...	20.00
Hyperic, chips.....lb	.06%	.07
LOGWOOD, sticks.....ton	22.00	30.00
Chips 150 lb bags.....lb	.02%	.03
Mangrove bark, African.....ton	34.00	36.00
Bark, South American.....ton	25.00	30.00

Myrobalans, 150 lb bags J1.....ton	...	33.00
B1.....ton	...	35.00
J2.....ton	...	27.00
Nuts, see Crude Drugs.		
Oak bark, whole.....ton	20.00	23.00
Ground.....ton	...	25.00
Quercitron bark, rough.....ton	...	10.00
Ground.....ton	30.00	35.00
Sumac, Sicily, 160 lb bags.....ton	76.00	80.00
Virginia, 150 lb bags.....ton	...	35.00
Valonia, cups, 28-33% tan.....ton	36.00	38.00
Seed, 40% tan, 150 lb bags.ton	50.00	52.00
Wattle bark, 150 lb bags.....ton	...	35.00

Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.28	.29
Archil, double 600 lb bbls.....lb	.16	.18
Triple, 600 lb bbls.....lb	.17	.19
Conc., 600 lb bbls.....lb	.14	.20
Chestnut, clarified, 25% tks. wks. lb	.02	.02%
Bbls., wks.....lb	.02%	.06
Powd., 60% 100 lb bbls. wks. lb	.05%	.06
Decolorized, bbls. wks. lb	.08	.09
Cudbear, English.....lb	.21	.23
Cutch, Bangoon, 100 lb bales.....lb	.13	.16
Borneo, solid, 100 lb bales.....lb	.04%	.05%
Liquid, 450 lb bbls.....lb	.10	.11
Tablets, 120 lb boxes.....lb	.13	.14
Flavine.....lb	.90	.95
Fustic, solid 50 lb boxes.....lb	.14	.18
Crystals, 100 lb boxes.....lb	.22	.24
Liquid, 51°, 600 lb bbls.....lb	.10	.14
Gal extract.....lb	.18	.19
Gambier, 35% liq. 450 lb bbls.....lb	.08%	.09%
Common, 200 lb cases.....lb	.10%	.11
Singapore cubes, 150 lb bags.....lb	...	...
NEMATINE, Paste, 500 lb bbls.....lb	.11%	.13%
Crystals, 400 lb bbls.....lb	.16	.20
Hemlock, 25% 600 lb bbls. wks. lb	.03%	.03%
Hyperic, 51°, 600 lb bbls.....lb	.15	.20
Indigo, Madras bbls.....lb	.85	.90
Manilla, bbls.....lb	...	1.30

Larch, 25%, 600 lb bbls, wks. lb	.03%	.03%
Powd. 100 lb bags. wks. lb	.07%	.08
Logwood, 51°, 450 lb bbls.....lb	.07%	.12%
Solid, 50 lb boxes.....lb	.15	.21
Madder, Dutch.....lb	.28	.30
Mangrove, 55% 400 lb bbls.....lb	.04%	.05
Myrobalans, 25% liquid bbls.....lb	.04	.05
50% solid, 50 lb boxes.....lb	.04%	.06
Oak, tanks wks.....lb	.04	.04%
23-25% liq. 600 lb bbls. wks. lb	.05	.05%
Osage Orange, 51° liquid.....lb	.07	.08
Powd. 100 lb bags.....lb	.14	.15
Peruvian Berries.....lb	.27	.30
QUEBRACHO, 35% liquid tks. lb	.03%	.04
450 lb bbls.....lb	...	.04%
35% bleaching, 450 lb bbls.....lb	.04%	.05%
Solid 65% 100 lb bales.....lb	.05	.05%
Clarified bales.....lb	...	.06
Quercitron, 51° 450 lb bbls.....lb	.06%	.07%
Powdered, 100 lb boxes.....lb	.09	.13
Spruce, 25% liquid tanks wks. lb	.01	.01%
Powd. 50% 100 lb bags wks. lb	.02	.02%
Sumac, liquid 450 lb bbls.....lb	.07	.09

DYES' SUNDRIES

Ibumen, technical, ckg 200 lb cs. lb	1.05	1.07
Blood, domestic, 100 lb drs. lb	.45	.55
Spray Yell 150 lb cs.....lb	.45	.65
British Gum, 140 lb bags c/l 100 lb	4.14	4.24
Bags, lc/l.....100 lb	...	4.24
Dextrin, corn 140 lb bags c/l 100 lb	...	3.79
Bags, lc/l.....100 lb	...	3.89
Yellow, bags c/l.....100 lb	...	3.84
Potato 140 lb bags c/l.....lb	...	.07
Bags, lc/l.....100 lb	.07%	.08%
Tapioea, 200 lb bags, lc/l.....lb	...	.09%
Prussian blue.....lb	.60	.62
Sago Flour, 150 lb bags.....lb	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb	...	3.22
Bags lc/l.....100 lb	...	3.32
Pearl, 140 lb bags c/l.....100 lb	...	3.12
Potato, domestic, 200 lb bags.....lb	.04%	.05
Imported, bags duty paid.....lb	.05	.05%
Tapioea Flour, high grade bags.....lb	.05%	.06
Medium grade bags.....lb	.04%	.04%
Low grade, bags.....lb	.04	.04%
Turkey Red Oil, bbls.....lb	.11	.12
Yolk Oil, bbls.....lb35

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Aceroides Gum, yel.,18	: .20
ACONITE Leaves, bales,25	: .27
Aconite Root, USP, bags,	: .50
Agar Agar, 1, 200 lb bales,	1.65	: 1.70
No. 2, bales,	1.55	: 1.65
No. 3, bales,	1.53	: 1.55
Agaric, white, cases, .....	..	: ..
Almonds, bitter bags bxs, .....	.32	: .35
Sweet, bags, .....	.45	: .46
Meal, tins, boxes, .....	.28	: .30
Aletris Root, bags, .....	.54	: .65
Alkanet Root, bags, .....	.07	: .08
Aloes, Barbadoes, 120 lb bbls, .....	.65	: .70
Cape, 400 lb cases, .....	.09	: .10
Curacao, 100 lb cases, .....	.08	: .08½
Socotrine, whole 100 lb cs, .....	.30	: .32
Althea Root, cut cases, .....	.25	: .28
Whole bags, .....	.09	: .10
Ambergris, black boxes, .....	..	: 8.00
Grey, boxes, .....	..	: 28.00
Ammoniac, tears, bags,	1.35	: 1.40
Angelica Root, dom. bags, .....	.14	: .15
Angostura Bark, bags, .....	.08	: .10
Anise, Levant bags, .....	.17	: .17½
Russian, bags, .....	.16	: .17
Star, cases, .....	.13	: .14
Spanish, bags, .....	..	: ..
Anatto Seed, bags, .....	.11½	: .12
ARABIC GUM, .....	..	: ..
White, No. 1, 200 lb bags, .....	.26	: .28
Seconds, 250 lb bags, .....	.24	: .26
Sorts, amber, 200 lb bags, bbls, .....	.14½	: .14½
Powd., USP, 300 lb bbls, .....	.22	: .23
Arca Nuts, 150 lb bags, .....	..	: .09
Powd., 200 lb bbls, .....	..	: .11
Arnica Flowers, bales, .....	.08	: .08½
Root, bags, .....	.20	: .22
Arrowroot, Amer. powd. bbls, .....	.06½	: .09½
St. Vincent, powd. bbls, .....	.14	: .14½
Asafoetida, USP, 250 lb cases, .....	.28	: .30
Powd. 50 lb bxs, .....	.50	: .53
BALM GILEAD BUDS, bags, .....	.38	: .40
Balmory Herb, bales, .....	..	: .14

BALSAMS

Copaiba, Para, 80 lb cs, .....	.23	: .25
South American, 80 lb cs, .....	.28	: .29
Fir Canada, cans,	12.80	: 13.00
Oregon, bbls., cans,	3.00	: 3.25
Peru, 120 lb cases,	1.75	: 1.80
Tolu, 90 lb cases, .....	..	: 1.85
Bamboo Brier Root, bags, .....	.06	: .07
Barberry Bark, tree bales, .....	.22	: .24
Bayberry Bark, bales, .....	.11	: .12
Wax, bbls., .....	.28	: .30
Belladonna Leaves, bales, .....	.18	: .19
Root, bags, .....	.12	: .13
Bees Wax, white bbls, .....	.37	: .39
Yellow, refined bbls, .....	.22	: .23
Crude, bags, .....	.20	: .21
Benzoin Gum, Siam, boxes,	1.25	: 1.30
Sumatra, 80 lb boxes, .....	.27	: .28
Berberis Aquifolium Root, bags, .....	.14½	: .15
Beth Root, bags, .....	.22	: .25
Blackhaw Bark, root, bales, .....	.42	: .43
Tree, bales, .....	.24	: .25
Blood Root, bags, .....	.14	: .15
Blueflag Root, bags, .....	.23	: .25
Boldo Leaves, bales, .....	.20	: .21
Honest Herb, bales, .....	.08	: .11
Borage Flowers, bales, .....	.18	: .20
Bryonia Root, bags, .....	.09	: .10
BUCHU LEAVES, short, 250 lb	..	: ..
bales, .....	.90	: .95
less, bales,	1.00	: 1.05
Long, bales, .....	..	: ..
Buckthorn Bark, bales, .....	.07	: .08
Burdock Root, bags, .....	.19	: .20
Burgundy Pitch, dom. 110 lb stands	..	: ..
Gross for net, .....	..	: .05
Calabar Beans, bags, .....	.15	: .18
Calamus Root, bleached cases, .....	.36	: .38
Unbleached, bags, .....	.10	: .12
Calendula Petals, imp. bales, .....	..	: .30
Calisaya Bark, bales, powd., .....	.25	: .26
Camphor, see Chemicals, .....	..	: ..
Canary Seed, Morocco bags, .....	..	: .06
South American, bags, .....	.05½	: .05½
Candella Wax, bags, .....	.24	: .27
Canella Alba Bark, bales, .....	.52	: .55

Cannabis, true imp. bags, .....	..	: 6.00
American (no assay) bales, .....	.80	: .85
USP,	1.70	: 1.85
Cantharides, Chinese cases, .....	.98	: 1.03
Powd., boxes,	1.18	: 1.20
Cantharides, Russian, cases,	1.70	: 1.75
Powdered, boxes,	1.85	: 1.90
Caraway Seed, African, bags, .....	.17½	: .18½
Dutch, 110 lb bags, .....	.17	: .18
Cardamom bleached cases,	1.20	: 1.70
Decorated, cases,	1.05	: 1.15
Green, grinding, bags, .....	.92	: .94
Carnauba Wax, Flor. bags, .....	.52	: .53
No. 1 N Country bags, .....	.40	: .42
No. 2 N Country bags, .....	.24	: .26
No. 3 Fatty Gray, bags, .....	.19½	: .20
No. 3 Chalky, bags, .....	.19½	: .20
Cascara Amara, 150 lb bales, .....	.30	: .32
Cascara Sagrada, bales, .....	.17	: .18
Cascarilla Bark, quills bales, .....	.36	: .40
Siftings, bbls., .....	.20	: .25
Cassia Buds, 66 lb cases, .....	.12½	: .13
China, select, mate cases, .....	.09	: .09½
Saigon, assort. bales, .....	.24	: .25
Cassia Fistula, baskets, .....	.09½	: .10
Castor Beans, bags, .....	.03	: .03½
Castoreum, 1 lb bot.,	4.00	: 4.50
Catechu Gum, bags, .....	.09	: .10
Catnip Herb, bales, .....	.12	: .15
Celery Seed, 220 lb bags, .....	.20	: .21
Ceresin Wax, white bags, .....	.09	: .10
Yellow, 200 lb bags, .....	.08	: .09
CHAMOMILE FLOWERS, Roman	..	: ..
bales, .....	..	: ..
Hung. cases bales, .....	.10	: .12
Charcoal Willow, powd. bbls, .....	.06	: .06½
Wood, powd. bbls, .....	.04	: .05
Chestnut Bark, bags, .....	.07	: .08
Herb, bales, .....	.08	: .06½
Chicle Gum, bags, .....	.75	: 1.00
Chilretta, bales, .....	.10	: .12
Cinchona Bark, red quills bales, .....	.45	: .50
Broken, bales, .....	.25	: .26
Cinnamon, Ceylon, bales, bond., .....	.22	: .22½
Civet, Abyssin horns,	2.75	: 3.75
Clover Tops, bags, .....	.19	: .21
Cloves, Zanzibar, 135 lb bales, .....	.30	: .31
Cloves, Amboyna, bales,	: ..
Penang, bales,	: ..

Ceylon Cinnamon

Oil Cinnamon Leaf

Oil Citronella

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Cochineal, USP, boxes.....	D	.35	: .37	Dogwood Bark, Jamaica bags....	D	.11	: .13	Grindelia Robusta Herb, bales....	D	.07	: .07%
Coca Leaves, Huamuco bags.....	D	...	...	Flowers, bales.....	D	...	: .15	Guaiac Gum, 80 lb cases.....	D	.32	: .35
Truxillo, bags.....	D	...	: .55	Doggrass Root, USP, cut bags....	D	.11	: .14	Gurana, tins, cases.....	D	.60	: .70
Cobosh Root, Black bags.....	D	...	...	Dragons Blood, mass cases.....	D	.55	: .60	GUM, see Arabic Gum, etc.			
Blue, bags.....	D	.18	: .19	Reeds, boxes.....	D	1.40	: 1.45				
Colchicum Root, bags.....	D	.08	: .09	ECHINACEA ROOT, bags.....	D	.32	: .34	HELLEDOR ROOT,			
Seed, bags.....	D	.10	: .11	Elecampane Root, bags.....	D	.09	: .10	Black, bbls.....	D	.08	: .10
Colombo Root, whole bags.....	D	.03	: .04	Elder Flowers, bags.....	D	.14	: .16	Powdered.....	D	.13	: .15
Colocynth, apples, cases, bales....	D	.17	: .23	Elemi Gum, 89 lb cases.....	D	.10	: .11	White, Powd. 250 lb bbls....	D	.17	: .18
Pulp, USP, bales.....	D	.36	: .38	Elm, select, 5 lb bundles cases..	D	.25	: .26	Helonia Root, (unicorn false)			
Coltsfoot Leaves, bags.....	D	.08	: .07	Grinding, bags.....	D	.10	: .12	bags.....	D	.68	: .70
Comfrey Root, bags.....	D	.13	: .14	Powdered, bbls.....	D	.17	: .18	Hemp Seed, Manchurian bags....	D	.03%	: .04
Condurango Bark, bales.....	D	.14	: .15	ERGOT, 150-200 lb bags.....	D	.51	: .55	Chilian, bags.....	D	...	...
Conium Seeds, bags.....	D	...	: .18	Eucalyptus Leaves, bales.....	D	...	: .05	Henbane Leaves, bales, USP....	D	.35	: .40
Copaiba Balsam Para, see Balsams				Euphorbia Pilulifera Herb, bags..	D	.15	: .17	No assay.....	D	.30	: .35
Copal Gum.....	D	.12	: .13%	Euphorbium Gum, cases.....	D	...	: .32	Henna Leaves, bales.....	D	.13	: .14
Coriander Seed, Bombay bags....	D	.05	: .07	Powdered, boxes.....	D	...	: .40	Powdered.....	D	.17	: .18
Morocco, bags.....	D	.10%	: .10%	Fennel Seed, French, bags.....	D	.16%	: .17%	Honey, Calif., 120 lb cases....	D	.11%	: .12
Bleached, bags.....	D	.14%	: .15%	German, bags.....	D	.19	: .21	Hops, N. Y. prime bales.....	D	.25	: .28
Corn Silk, bales.....	D	.05%	: .06	Indian, bags.....	D	.12%	: .13%	Pacific Coast prime bales....	D	.22	: .25
Cotton Root Bark, bales.....	D	...	: .28	Flax Seed, whole 180 lb bbls....	D	13.00	: 13.50	Horsehead Herb, bales.....	D	.10	: .11
Cramp Bark, so-called bales....	D	...	: .04	Ground, 180 lb bbls.....	D	.07%	: .08	Horsetail Rush, bags.....	D	...	: .15
True, bags.....	D	.40	: .42	Foenugreek Seed, 200 lb bags....	D	.07	: .07%	India Gum, see Karaya			
Cranesbill Root, bags.....	D	.10	: .11	Fish Berries, 100-125 lb bags....	D	.03	: .03%	INSECT FLOWERS, open whole			
CUBE BERRIES, XX bags.....	D	.75	: .77	Fringe Tree Bark, bags.....	D	.19	: .20	bales.....	D	...	...
Powdered, boxes.....	D	.80	: .82	GALANGAL ROOT, bags.....	D	.06	: .06%	Closed whole, bales.....	D	...	...
Culvers Root, bags.....	D	.30	: .32	Gambier Gum, bags.....	D	.08	: .08%	Powdered, pure 200 lb bbls....	D	.55	: .58
Cumin Seed, Levant bags.....	D	...	...	Galbanum Gum, cases.....	D	1.00	: 1.10	Flowers and stems, 50 p. c.			
Morocco, bags.....	D	.24	: .27%	Gamboge Gum, 160 lb cases....	D	1.10	: 1.12	200 lb bbls.....	D	.38	: .40
Cuttlefish Bone, Trieste, straps..	D	.16	: .17	Powdered, cases.....	D	1.12	: 1.15	Ipecac Root, Cartagena, bags..	D	1.75	: 1.80
Jewellers, large, straps.....	D	...	: .55	Geleum Root, bags.....	D	.11	: .11%	Powdered, 200 lb bbls. boxes..	D	1.90	: 2.00
Small, straps.....	D	...	: .35	Genkian Root, bags.....	D	.08%	: .09	Mto Whole, bags.....	D	1.75	: 1.85
French, straps.....	D	.16	: .17	Ginger, African, bags.....	D	.13%	: .13%	Powdered, 200 lb bbls. boxes..	D	1.95	: 2.00
Powdered, boxes.....	D	...	: .13	Jamaica, grinding, bags bbls....	D	.32	: .42	Isinglass, American, 130 lb es..	D	.65	: .70
Broken, boxes.....	D	.07	: .07%	Japan, bags.....	D	.14	: .14%	Russian (Beluga) bbs, cts....	D	5.50	: 7.50
Damar Gum, 136 lb cases.....	D	.33	: .34	Cochin, ABC & lemon, bags....	D	.15	: .15%	JABORANDI LEAVES, bales....	D	.16	: .18
Damiana Leaves, bales.....	D	...	: .11	Ginseng Root, cultivated, bags..	D	8.00	: 10.00	Jalap Root, whole, 150 lb bags..	D	.31	: .35
Dandelion Root, Imp, bags.....	D	.20	: .21	Northwestern Wild, bags.....	D	14.00	: 15.00	Powdered, USP, 250 lb bbls....	D	.38	: .40
Deer Tongue Leaves, bales.....	D	.09	: .10	Southern Wild, bags.....	D	10.00	: 12.00	Japan Wax, 224 lb cases.....	D	.15%	: .16
Digitalis Leaves, bales.....	D	.07	: .08	Golden Seal Root, bags.....	D	...	...	Job's Tears, white bags.....	D	.08	: .09
Dill Seed, bags.....	D	.08%	: .09	Powdered, boxes.....	D	Juniper Berries, 125 lb bags....	D	.03	: .03%
				Grains of Paradise, bags.....	D	.12	: .14	KAMALA, boxes.....	D	1.90	: 2.00

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CHICAGO, U.S.A.

PRIMULINE CONC.
FAST YELLOW B



ESSEX ANILINE WORKS
INC.

Manufacturers of Aniline Colors
88 Broad St., Boston South Middleton, Mass.

Crude Drugs

LADY SLIPPER ROOT, bags...lb	.51	.55	Musk, pods Cahardine, tins...oz	16.00	17.00	Patchouli Leaves, bales...lb	.23	.25
Larkspur Seed, bags...lb	.31	.35	Tonguin...oz	22.00	25.00	Pepper, black Sing, bags...lb	.09½	.10
Laurel Leaves, bales...lb	.04½	.04½	Grain Cab...oz	25.00	26.00	White, bags...lb	...	.15½
Lavender Flowers, Ordinary...lb	.18	.20	Tonguin...oz	35.00	38.00	Peppers, red Mombasa bags...lb	.19	.20
Selected...lb	.28	.30	Synthetic, see Chemicals			Cherries, bags...lb	.14	.15
Leeches, tubs...Per 100	...	7.00	Musk Root, Russian bags...lb	...	...	Bombay, bags...lb	.15	.15½
Lemon Peel, bags...lb	.09	.10	Mustard Seed, Barl brown bags...lb	.08½	.09	Japan, bags...lb	.28	.30
Licorice Root, Russian whole...lb	.07½	.08	Bombay, brown...lb	.08½	.09	Pennyroyal Herb, bales...lb	.08	.12
Spanish, natural bales...lb	.09	.09½	California, brown...lb	.08½	.09	Peppermint Leaves, imp. bales...lb	...	.39
Powdered, bbls...lb	.09½	.10	Yellow...lb	...	.09	Domestic leaf...lb	.27	.28
Selected, 2 & 5 lb bundles...lb	.16	.20	Chinese yellow...lb	.04	.04½	Peru Balsam, see Balsams		
Cuttings, 125 lb bags...lb	.07	.07½	English, yellow...lb	.08½	.09	Pitch Leaves, bags...lb	.23	.25
Life Everlasting Herbs, bales...lb	.05	.08	Dutch, yellow...lb	.08	.08½	Pimento, select bags...lb	.04½	.05½
Lime Juice, clarified bbls...gal	.50	.60	Danish, yellow...lb	.08½	.09	Pink Root, true bags...lb	...	1.05
Linden Flowers, with leaves, bales lb	.14	.16	Myrrh Gum, select 200 lb cs...lb	.38	.40	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales...lb	.30	.32	Sorts, cases...lb	.35	.37	Pleurisy Root, bags...lb	...	.22
Litewort Leaves, bales...lb	.20	.22	NUTGALLS, Chinese bags...lb	.17	.18	Plantain Leaves, bales...lb	...	.15
Lobelia Herb, bales...lb	.19	.20	Aleppy, bags...lb	.14	.15	Poke Berries, bags...lb	...	.15
Lobelia Seed, bags...lb	.55	.60	Nutmegs, 110s cases...lb	...	.23	Poke Root, bags...lb	...	.07½
Lorag Root, Imported, bags...lb	...	.25	75s, 80s cases...lb	.26	.28	Pomegranate Bark, of root bags lb	...	.30
Lupulin, boxes...lb	1.40	1.50	Nux Vomica Buttons, bags...lb	.07	.08	Of tree...lb	...	.30
Domestic...lb	1.30	1.40	Powdered, 200 lb bbls...lb	.09	.11	Poppy Flowers, red bags...lb	.25	.27
Lycopodium, 88 lb cs...lb	.36	.38	OAK BARK, red bags...lb	.05	.06	Poppy Seed, Dutch, bags...lb	.09½	.10½
MACE, Siam, No. 1 cases...lb	.44	.45	White, bags...lb	.06	.07	German, bags...lb	...	.10½
Banda, No. 1 cases...lb	.50	.52	Oilbanum Gum, sift 280 lb cases lb	.09½	.10	Turkish, bags...lb	.06	.08
Batavia, cases...lb	.38	.39	Teas, 280 lb cases...lb	.13	.14	Blue Indian, bags...lb	.08	.08½
Malva Flowers, blue bales...lb	.27	.30	No. 1, all white, 280 lb cases	.21	.22	White Indian, bags...lb	.07	.07½
Black, bales...lb	.65	.75	Opium, gum USP cases...lb	...	8.00	Prickly Ash Bark Southern, bags...lb	.14	.14½
Manna, large flake cases...lb	.58	.59	Granular, cases...lb	...	9.00	Northern, bags...lb	...	.16
Small flake, cases...lb	.27	.29	Powdered, USP cans...lb	...	9.00	Prickly Ash Berries, bags...lb	.12	.14
Sorts, cases...lb	.27	.30	Orange Flowers, cases...lb	.50	1.00	Prize's Pine, bales...lb	...	.27
Mandrake Root, bags...lb	.50	.52	Orange Peel, bitter bags...lb	.07½	.07½	Pulsatilla Herb, bags...lb	.25	.27
Mastic Gum, 120 lb cases...lb	.70	.75	Sweet, bags...lb	.08	.08½	Pumpkin Seed, bags...lb	.14	.16
Meserion Bark, bags...lb	.11	.12	Orris Root Florentine bold bags...lb	.07	.08	QUASSIA CHIPS, bags...lb	.06½	.07½
Matico Leaves, bales...lb	.20	.22	Verona, bags...lb	.05	.06	Queen of the Meadow Herb, bags lb	...	.06
Marjoram Leaves, German bales...lb	.17½	.18	Powdered, 200 lb bbls...lb	.07½	.08	Quince Seed, bags...lb	.75	.95
French, bales...lb	.13½	.14½	Fingers, cases...lb	.58	.60	RAPE SEED, South Amer. bags lb	.06½	.07
Millet Seed, dom. yellow bags...lb	.03½	.05	Ozokerite Wax brown hard bags lb	.22	.24	Dutch, bags...lb	.07	.08½
Montan, Wax, crude bags...lb	.04	.04½	Green, hard bags...lb	.25	.28	Japanese, small, bags...lb	.05½	.06
Bleached...lb	...	...	Refined, yellow bags...lb	...	...	Raspberries, dried boxes...lb	.56	.60
Moss, Iceland bales...lb	.08	.09	PAPRIKA, bags...lb	.17	.22	Red Saunders...lb	.17	.19
Irish, bleached bales...lb	.10	.12	Hungarian...lb	.27	.37	Rhatany Root, bags...lb	...	.10
Mullein Flowers, tins...lb	...	...	Pareira Brava Root, bags...lb	.19	.20	RHUBARB, H. D. cases...lb	.40	.42
			Parsley Seed, bags...lb	.08	.08½	Powdered, 200 lb bbls...lb	.45	.48
						Rosemary Leaves, bales...lb	.04½	.05

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Rosemary Flowers, cases bales...D	.28	: .30	Snake Root, Canada natural bags...D	...	: ...	Tragacanth Gum, No. 1, ribbon,			
Rose Petals, pale ...D	.22	: .25	Stdipped, bags ...D	...	: .55	200lb cs ...D	1.48	: 1.50	
Red ...D	...	: .60				No. 2 to No. 6, cases ...D	1.00	: 1.48	
Rue Herb, bales ...D	.30	: .35	SOAP BARK, whole, 150-200 lb			Powdered, 50 lb boxes ...D	1.00	: 1.50	
SABADILLA SEED, bags ...D	.12	: .12½	bales ...D	.07½	: .08	Turkish, cases ...D	.75	: .90	
Powder, bbls ...D	.16	: .17	Cut, 125-175 lb bags ...D	.09	: .09½	Turneric Root, Madras bags ...D	.10½	: .11	
Saffron Flowers, Amer. bales ...D	1.08	: 1.15	Crushed, 200 lb bbls ...D	.09½	: .10	Aleppy, bags ...D	.08½	: .09	
Valencia, 1 lb. cases ...D	36.00	: 37.00	Powdered, 200 lb bbls ...D	.12	: .14	China, bags ...D	.07	: .07½	
Sage, Dalmatian bales ...D	.05½	: .06½	Spearmint Leaves, American bales...D	.23	: .24	Turpentine, Venice, true 80 lb cs...D	.20	: .22	
Greek, bales ...D	.04½	: .05½	Spermaceti, blocks cakes cases...D	.36	: .37	Artificial, 80 lb cases ...D	.14	: .15	
Spanish, bales ...D	.03	: .03½	Spikenard Root, bags ...D	.19	: .21	Spirits, see Naval Stores			
Sandalwood, chips bags ...D	...	: .30	Spruce Gum, boxes ...D	1.00	: 1.50	UNICORN ROOT, false, see Helonias			
Ground, bags ...D	...	: .35	Squaw Vine, bales ...D	...	: .17	True, see Aletris			
Sandrac Gum, 300 lb bbls ...D	.20	: .23	Stavesacre Seed, bags ...D	.28	: .29	Uva Ursi Leaves, bales ...D	.05½	: .06½	
Sarsaparilla, Honduras, bales...D	.61	: .65	Stone Root, bags ...D	.09	: .10	VALERIAN ROOT, Belgian bags...D	.10½	: .11	
Mexican, bales ...D	.33	: .34	Storax, liquid arlif. ...D	.70	: .75	Vanilla Beans Mex. whole cases...D	9.50	: 10.50	
Sassafras Bark, ordinary bales...D	.12	: .14	Gen. USP ...D	.90	: 1.00	Cuts, cases ...D	6.25	: 6.50	
Select, bales ...D	.25	: .28	St. Ignatius Beans, bags ...D	.22	: .23	Bourbon, cases ...D	4.50	: 4.75	
Savory Leaves, bales ...D	.08½	: .09½	St. John's Bread, bags ...D	.04	: .06	South American, cases ...D	6.00	: 6.50	
Saw Palmetto Berries, bags ...D	.10	: .11	Stramonium Leaves, bales ...D	.07	: .07½	Tabiti, yellow label cases ...D	...	: ...	
Scammony Resin, boxes ...D	1.40	: 1.60	Stramonium Seed, bags ...D	.12	: .13	Green Label, cases ...D	...	: ...	
Scammony Root, bags ...D	.06½	: .07	Strophanthus Seed, Hispidus...D	...	: ...	Violet Flowers, bags ...D	.65	: .70	
Senna Root, bags ...D	.60	: .62	Kembe, bags ...D	.30	: .35	WAHOO BARK, of root bags ...D	.85	: .90	
SENNA, Alex. 150 lb cases ...D	.30	: .31	Sunflower Seed, domestic bags...D	.07	: .07½	Of Tree, bags ...D	.43	: .45	
Half Leaf, 350 lb bales ...D	.17½	: .18	South American, bags ...D	.06	: .07½	White Pine Bark, rosed, bags...D	.06½	: .07½	
Siftings, 400 lb bales ...D	.12	: .13	TAGALDER BARK, bags ...D	...	: .05	White Poplar Bark, bags ...D	.04	: .05	
Powdered, 200 lb bbls ...D	...	: .14½	Tamarinds, bbls. ...D	...	: .08½	Wild Cherry Bark, thin green			
Grinding, 350 lb bales ...D	.05	: .08	Kegs ...D	...	: 3.50	Rosed, bales ...D	.12	: .13	
Powdered, 200 lb bbls ...D	.08	: .08½	Tansy Herb, bales ...D	.18	: .20	Thick Rosed, bales ...D	.09	: .10	
Pods, 350 lb bales ...D	...	: ...	Tar, Barbadoes, 50 gal. bbls...gal	1.60	: 1.75	Thin Natural, bales ...D	.10½	: .11	
Serpentaria Root, bags ...D	.80	: .85	Thun Gum, 280 lb bbls ...D	...	: .05½	Thick Natural, bales ...D	.07	: .08	
Shellac, T.N., bags ...D	.57	: .60	Thyme, Spanish bales ...D	.08	: .08½	Willow, bark bags ...D	...	: .06	
Superfine Orange, bags ...D	.61	: .63	French, bales ...D	.09½	: .09½	White, bags ...D	...	: .15	
D. C., bags ...D	.78	: .80	Tilia, See Linden			Witch Hazel Bark, bags ...D	...	: .07	
V. E. O., cases ...D	.78	: .80	Tolu Balsam, see Balsams			Witch Hazel Leaves, bales ...D	...	: .09	
Pwd. reg., 350 lb bbls ...D	...	: .60	Tonga Bark, bags ...D	.30	: .31	Worm Seed, American bags ...D	.09	: .10	
Regular Bleached, 350 lb bbls...D	...	: .60	Tonka Beans, Angostura, cases...D	2.00	: 2.10	Levant bags ...D	3.50	: 3.75	
Bone, Dry, 350 lb bbls ...D	.67	: .70	Para, cases ...D	.80	: .85	Wormwood Herb, imported bales...D	...	: .10	
Simaruba Bark, bales ...D	.09	: .10	Surinam, cases ...D	.85	: .95	Yacca Gum, red ...D	.04	: .04½	
Sideritis Herb, cut bags ...D	...	: .18				Ground ...D	.05½	: .06½	
Skullcap Leaves, bales ...D	...	: .38				YELLOW DOCK ROOT, bags ...D	.12	: .14	
Sloe Berries, bags ...D	.03	: .04				Yellow Parilla Root, bags ...D	.16	: .17	
						Yerba Santa, bags ...D	.09½	: .11	
						Zedoary Root, bags ...D	.08	: .10	

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Almond Bitter USP 5b bot.....	3.50	: 3.75	Copaiba, USP, 50b tins.....	.35	: .40	Pimento, 25b tins.....	1.85	: 1.95
Bitter ff PA 5b bots.....	3.50	: 3.75	Coriander, USP, 1b bot.....	...	: 18.00	Pinus Sylvestris, 25b tins.....	...	: 1.75
Artificial (See Benzaldehyde—Chemicals)			Croton, USP, 25b tins.....	1.00	: 1.10	Pumilio, USP, 25b tins.....	...	: 2.75
Sweet, 66b cans.....	.34	: .35	Cubebs, USP, 5b bot.....	5.75	: 6.00	Rose, Fr., 8, 16 & 32 oz. pkgs..oz	...	: 9.00
Peach Kernel, 55b tins.....	.34	: .35	Cumin, 1b bot.....	15.00	: 20.00	Bulg., 8, 16 & 32 oz. pkgs..oz	7.00	: 8.00
Apricot, see Peach Kernel			Dill, 1b bot.....	4.25	: 5.00	Artificial, 1b bot.....	2.00	: 3.00
Amber, crude 25b tins.....	.70	: .75	Erigeron, 20b tins.....	.90	: 1.00	Rosemary, USP, 27 1/2b tins.....	.40	: .42
Rectified, 25b tins.....	.90	: 1.00	EUCALYPTUS, Austl. USP			1000b drums.....	...	: .37 1/2
Angelica Root, 1b bot.....	38.00	: 39.00	50b cs.....	.55	: .60	Tech., 27 1/2b tins.....	.35	: .40
Seed, 1b bot.....	36.00	: 38.00	500b drums.....	...	: 82 1/2	Rue, 1b bot.....	...	: 4.25
ANISE, Tech., 66b case.....	.45	: .47 1/2	Fennel USP, 25b tins.....	1.00	: 1.10	Sandalwood, E. Ind. USP, 76b cases	7.50	: 7.65
USP 50b tins.....	.52 1/2	: .55	Geranium, Algerian, 25b tins..	8.00	: 8.50	W. Indian, (Amyris) 25b tins..	3.00	: 3.25
Bay, 25b tins.....	2.50	: 2.60	Bourbon, 25b tins.....	6.50	: 6.75	Sassafras, USP, 50b cans.....	1.10	: 1.25
Bergamot, 25b coppers.....	2.65	: 2.85	Turkish, 28b tins.....	4.75	: 5.00	Artificial, 1000b drs., 60b cans	.42	: .45
Artificial, 25b cans.....	2.00	: 2.25	Ginger, 1b bot.....	5.75	: 6.00	Savin, 5b tins.....	3.00	: 3.25
Birch Tar, rect. 5b bot.....	1.10	: 1.15	Gingergrass, 28b tins.....	2.75	: 3.00	Spearmint, USP, 60b cases.....	2.45	: 2.55
Crude, 50b tins.....	.60	: .65	Hemlock, 50b cans.....	1.25	: 1.30	Spruce, 50b tins.....	1.25	: 1.30
Bois de Rose, 25b tins.....	2.50	: 2.65	Juniper Berries, USP, 25b tins..	1.15	: 1.25	Tansy Amer., 20b tins.....	4.75	: 5.00
Cade, USP, 25b tins.....	.35	: .40	Wood, 50b tins.....	.60	: .70	Tar, 50 gal. bbls.....	.25	: .26
USP, 5b bot.....	.45	: .50	Lavender, USP, 28b tins.....	2.55	: 2.50	Refined, USP 25b tins.....	...	: ...
Caluput, native, 50b tins.....	.80	: .85	Spice, Spanish, 50b cans.....	.60	: .65	Thyme, red, USP 25b tins.....	1.00	: 1.10
Calamus, 5b bot.....	4.25	: 4.75	LEMON, Ital. USP, 25b tins.....	.75	: .90	White, USP 25b tins.....	1.15	: 1.25
Camphor, heavy, 1000b drums..	.11 1/2	: .12	American, USP, 25b tins.....	.75	: .80	Crude, 110b drums.....	.85	: .90
Japanese, white, 72b cases..	.13 1/2	: .15	Lemongrass, native, 50b cans..	.80	: .85	Vetiver, Bourbon, 1b bot.....	6.00	: 6.50
White, 1000b drums.....	.13	: .15	Limes, express 25b tins.....	1.65	: 1.70	Java, 1b bot.....	22.00	: 24.00
Cananga, Native 25b tins.....	2.25	: 3.50	Distilled, 25b tins.....	.85	: 1.00	Wine, heavy 1b bot.....	...	: 2.75
Rectified, 25b tins.....	2.75	: 3.00	Linaloe, Mex. 80b cases.....	2.15	: 2.35	WINTERGREEN,		
Caraway, USP.....	6.75	: 7.00	Mace, distilled, 50b tins.....	...	: .90	Sweet bch., 25b tins.....	2.00	: 3.00
Cardamom, USP, 1b bot.....	20.00	: 22.00	Mirbane, ref., see Ar. Chemicals			Gaultheria, true 25b tins.....	4.00	: 7.00
Carrol, 5b bot.....	12.00	: 13.00	Mustard, USP, 1b bot.....	...	: 14.00	Synthetic, USP, 50b cases.....	...	: .47
CASSIA, 75-80 p.c. 66b cans..	...	: ...	Artif., USP, 5b bot.....	2.20	: 2.30	Wormseed Bait, USP, 25b tins..	6.90	: 7.15
Redistilled, USP, 50b cans.....	3.15	: 3.25	Neroli, Bigarade, 1/2 and 1b bot.	75.00	: 100.00	Wormwood dom., 25b tins.....	5.50	: 6.00
Cedar Leaf, 50b tins.....	1.05	: 1.10	Petale, 1b bot.....	90.00	: 115.00	Ylang Ylang, Bourbon 10 lb. tins		
Cedar Wood, light 1000b drums.	.28	: .28	Artificial, 1b bot.....	10.00	: 25.00	No. 1.....	7.00	: 9.00
Celery, 1b bot.....	8.50	: 9.00	Nutmeg, USP, 25b tins.....	.90	: 1.00	No. 2.....	5.00	: 6.00
Cinnamon, Ceylon 1b bot.....	11.00	: 12.50	Orange, bitter, 25b tins.....	2.65	: 2.75	Manila, 1b bot.....	30.00	: 40.00
Leaf, 5b bot.....	...	: 2.00	Sweet, W. Ind., 25b tins.....	2.60	: 2.70	Artificial, 1b bot.....	10.00	: 12.00
CITRONELLA, Ceylon, 1000b drs.	.71	: .72	Italian, 25b cop.....	3.60	: 3.90			
50b tins.....	.73	: .74	American, 25b tins.....	3.15	: 3.25			
Java, 400b drums.....	.85	: .90	Origanum, 50b cans.....	.30	: .35			
50b tins.....	.87 1/2	: .92 1/2	Parsley, 1b bot.....	3.50	: 4.00			
Cloves, USP, 50b cans.....	2.20	: 2.35	Patchouli, 5b bot.....	7.75	: 8.00			
6b bot.....	2.25	: 2.45	Pennyroyal, dom 25b tins.....	1.95	: 2.25			
			Imported, 25b tins.....	1.80	: 1.90			
			PEPPERMINT, nat. 60b cases..	2.60	: 2.70			
			Redist., USP, 60b cases.....	2.80	: 2.90			
			Petit Grain, S. Am. 25b tins..	1.75	: 1.85			
			French, 1b bot.....	6.50	: 7.00			

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Anethol, 25 lb bot.....	1.50	: 2.00
Borneol, 1 lb bot.....	...	: 3.50
Citronellal, 1 lb bot.....	2.00	: 2.25
CITRAL, 25 lb cans.....	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	.75	: .80
Eugenol, USP, 25 lb cans.....	2.85	: 3.25
Geraniol, Domestic, 50 lb cans.....	3.00	: 3.50
Imported, 5 lb bot.....	4.50	: 5.00
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	6.50	: 7.00
Linalool, 5 lb bot.....	7.00	: 7.25
MENTHOL, 60 lb cases.....	...	: 9.65
Less cases, 5 lb cans.....	...	: 10.00
Rhodinol, 1 lb bot.....	15.00	: 20.00
SAFROL, 60 lb cans.....	.55	: .57
Thymol, USP, 10 lb cans.....	3.25	: 3.50

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.00	: 4.25
Amyl Acetate, pure, 5 gal cans.....	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	2.00	: 2.10
Amyl Formate, 1 lb bot.....	3.00	: 3.25
AMYL SALICYLATE, 100 lb chys.....	1.50	: 1.60
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys.....	1.50	: 1.60
FFC, 40 lb chys.....	1.75	: 1.85
Benzole Ether, See Ethyl Benzate		
Benzyl Acetate, 100 lb chys.....	1.40	: 1.50
Benzyl Alcohol, 5 lb bot.....	1.60	: 1.70
BENZYL BENZOATE, 5 lb bot.....	1.60	: 1.75
Medicinal FFC.....	1.75	: 2.00
Benzyl Formate, 1 lb bot.....	3.00	: 3.25
Bromostyrol, 25 lb kgs.....	4.00	: 4.25
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25
Cinnamic Alcohol, liquid 1 lb bot.....	12.00	: 16.00
Crystallizable.....	16.00	: 18.00

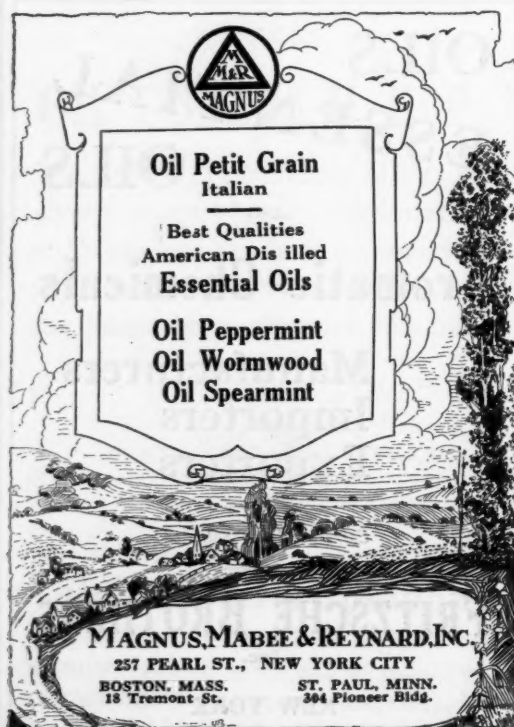
Cinnamic Aldehyde, 1 lb bot.....	3.20	: 3.50
CITRONELLOL, 1 lb bot.....	8.00	: 14.00
COUMARIN, 25 lb cans.....	4.50	: 4.75
DIETHYL PHTHALATE, 25 lb cans.....	.55	: .65
Diphenylacide, 25 lb tins.....	.85	: .90
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50
Ethyl Benzate, 5 lb bot.....	1.85	: 2.00
Ethyl Butyrate, 5 lb bot.....	2.00	: 2.25
Ethyl Cinnamate, 1 lb bot.....	3.75	: 4.00
Ethyl Formate, 5 lb bot.....	2.00	: 2.10
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot.....	4.25	: 4.75
Hellotropin, dom., 10 lb bot.....	2.00	: 2.25
Imported.....	2.50	: 2.75
Indol, CP, 100 bot.....	8.50	: 9.00
Ionone, 1 lb bot.....	5.00	: 9.00
Alpha.....	10.00	: 12.00
Beta.....	9.00	: 11.00
Methyl.....	12.50	: 15.00
Linalyl Acetate, 1 lb bot.....	7.00	: 10.00
Linalyl Benzate, 1 lb bot.....	13.00	: 14.00


METHYL ANTHRANILATE dom., 1 lb bot.....	3.50	: 4.00
Imported.....	4.50	: 5.00
Methyl Cinnamate, 1 lb bot.....	3.75	: 4.00
Methyl Paracresol, 1 lb bot.....	8.00	: 9.00
METHYL SALICYLATE, USP 500 lb drums.....	...	: .45
50 lb cases.....	...	: .47
Second Hands.....	...	: .45
Mirbane, rect. 1000 lb drums.....	12 1/2	: 14
Musk Ambrette, 1 lb cans.....	13.00	: 15.00
Musk Ketone, 1 lb cans.....	12.00	: 13.00
Musk Xylene, 5 lb cans.....	2.90	: 3.15
Nerolin, 1 lb cans.....	1.65	: 2.00
Oenanthalic Ether, 5 lb bot.....	1.25	: 1.50
Phenylacetaldehyde, Dom., 1 lb bot.....	9.00	: 11.00
Imported.....	12.00	: 14.00
Phenylacetic Acid, 1 lb bot.....	3.00	: 3.25
PHENYLETHYLALCOHOL dom., 1 lb bot.....	8.00	: 9.00
Imported.....	8.50	: 10.00

Phenylpropylalcohol, 1 lb bot.....	16.00	: 16.00
TERPINEOL, CP, 1000 lb drums.....	.52	: .55
Cans 50 lb.....	.57	: .60
Imported, 25 lb cans.....	.95	: 1.20
Terpinyl Acetate, 25 lb cans.....	1.65	: 1.85
VANILLIN, USP, 400 oz. cans.....	.40	: .40 1/2
Cans, 16 oz., 80 oz.....	.40 1/2	: .41 1/2
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans.....	1.75	: 2.00

PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.....	.28	: .30
Ambergris, black, box.....	...	: 8.00
Ambergris, gray, box.....	...	: 28.00
Balsam Copaiba, Para, 80 lb cases.....	.23	: .24
South American, 80 lb cases.....	.28	: .29
Balsam Peru, 120 lb cases.....	1.75	: 1.80
Balsam Tolu, 90 lb cases.....	...	: 1.85
Benzoin Gum, Siam, box.....	1.15	: 1.20
Castoreum, 1 lb bot.....	4.00	: 4.50
Chalk, precip. light, 75 lb bbls.....	.04 1/2	: .05
Cherry Laurel Water, 5 gal cans.....	1.15	: 1.25
Civet Abyssin, horns.....	2.75	: 3.75
Labdanum, 5 lb bot.....	...	: 8.00
Lanolin hydrous, 350 lb bbls.....	.21	: .22
Anhydrous, 350 lb bbls.....	.23	: .24
Musk pods, Cabardine, tins.....	16.00	: 17.00
Tonquin, tins.....	22.00	: 25.00
Grains, Cabardine, tins.....	25.00	: 26.00
Tonquin, tins.....	35.00	: 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor., powd. bbls.....	.09	: .11
Verona, bbls.....	.08	: .09
Petrolatum, snow white, 350 lb bbls.....	.12 1/2	: .13
Light Amber, 350 lb bbls.....	.04 1/2	: .05
Rice Starch, 140 lb bgs.....	.08	: .10
Rose Water, 5 gal chys.....	.90	: 1.10
Sandalwood chips, powd., bags.....	.30	: .35
Saponin, 5 lb tins.....	1.25	: 1.50
Talc Italian, 220 lb bgs.....	42.00	: 55.00
Talc French, 220 lb bgs.....	32.00	: 45.00
Talc, domestic ref., 100 lb bags.....	20.00	: 30.00




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ALBUMEN—Dried Egg, 34 cs., Stein Hall & Co., Vancouver; 42 cs., French Kremer Co., Vancouver; Hen, 430 cs., Jardine Matheson & Co., Vancouver
ALCOES—80 cs., Suzarte & Whitney, Curacao
AMMONIUM—Bromide, 13 bls., Order, Southampton; Carbonate, 10 cks., Brown Bros. & Co., Liverpool; Chloride, 30 cks., Hans Hinrichs Chem. Co., Hamburg; Perchlorate, 976 cs., N. Y. Trust Co., Genoa
ANTIMONY—Sulfide, 21 cks., F. B. Vandegrift & Co., London
ANTIPIRYN—1 cse., Lehn & Fink, Antwerp
ARGOLS—459 bgs., C. Püzer & Co., Rotterdam
ARSENIC—100 cks., Ore & Chem. Corp., Hamburg; 86 bbls., Amer. Metal Co., Tampico
BALSAM TOLU—15 cs., C. E. Griffin & Co., Pto. Colombia
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BARYTES—10 bbls., A. Hurst & Co., Hamburg
BONES—Calcined, 3,000 bgs., H. J. Baker & Bro., Buenos Aires
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CHALK—1,210 bgs., Bankers Trust Co., Antwerp; 300 bgs., B'klyn Trust Co., Antwerp; 2,500 bgs., Cooper & Cooper, Antwerp; 200 bgs., Brown Bros. & Co., Antwerp; 500 bgs., L. A. Salomon & Bro., Antwerp; 500 bgs., L. A. Salomon & Bro., Antwerp; 3,000 bgs., Order, Antwerp
CHEMICALS—30 cs., Order, Hamburg; 412 cks., Hummel & Robinson, Rotterdam; 220 cs., Order, Rotterdam; 499 bgs., Brown Bros.

& Co., Glasgow; 560 bgs., Bankers Trust Co., Glasgow; 1 cse., Hensel Bruckmann & Lorbacher, Hamburg; 6 cs., Merck & Co., Hamburg; 17 cs., Order, Hamburg; 115 drs., Roessler & Hasslacher Chem. Co., Hamburg; 2 sks., Bayer Co., Hamburg; 21 bbls., Hummel & Robinson, Hamburg; 202 drs., A. Klipstein & Co., Hamburg; 20 cks., Roessler & Hasslacher Chem. Co., Bremen; 295 cs., Order, Antwerp; 83 cs., Pfaltz & Bauer, Bremen
CHEMICAL SALTS—45 cks., Chaplain & Bibbo, Hamburg
CLAY—14 cks., M. Greenbaum, Bremen; 30 cks., J. Goebel & Co., Bremen; Burnt, 210 sks., H. A. Robinson & Co., Liverpool
COAL TAR DISTILLATE—58 drs., Order, Liverpool
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COPRA—460 bgs., Franklin Baker Co., Port Antonio
DIVI DIVI—1,037 bgs., Selma Merc. Corp., Curacao; 522 bgs., Eggers & Heinlein, Pampatar; 400 bgs., Goldsmith & Co., Pampatar
DRUGS—31 bls., B. H. Old & Co., Hamburg
EARTH—86 bbls., 150 bgs., Reichard Coulston, Leghorn
EPSOM SALTS—300 bgs., Superfos Co., Hamburg
ERGOT—14 bgs., Banco Anglo Sud. Amer., Rotterdam
EXTRACTS—Annatto, 6 cks., Baldwin Universal Co., Copenhagen; **Archil Liqueur**, 3 cks., W. A. Ross & Bros., Liverpool; **Logwood**, 137 bbls., Logwood Mfg. Co., Cape Haiti; **Quebracho**, 8,790 bgs., Internatl. Products Co., Buenos Aires; **Myrobalans**, 1,000 dble. bgs., Endicott Johnson Corp., Liverpool
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LAMP BLACK—10 cs., E. L. Bullock & Sons, Antwerp
LEAVES—Buchu, 13 bls., Order, Southampton; Laurel, 140 bls., Order, Leghorn
LIME JUICE—8 cs., Perry Ryer & Co., Dominica; 2 cs., A. D. Strauss & Co., Dominica; 70 cs., Huth Gillespie & Co., Dominica; 25 cs., Leshner & Webb, Dominica; 20 cs., C. W. Jacob & Allison, Dominica
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POTATO FLOUR—250 bls., A. Hoffman & Co., Rotterdam
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FOREIGN TRADE IN PIGMENTS EXPANDS

During the first half of 1923 the exports of pigments, paints and varnishes indicated recovery of the foreign trade for these commodities. The gain was 47 per cent for the first six months of 1923 over the first six months of 1922. June was the record month for shipments with a total value of \$1,665,217, the highest total for any single month. The total exports of pigments, paints, and varnishes advanced from \$5,566,295 in January-June 1922, to \$8,192,634 in January-June, 1923.

Of the four groups expanding during this period, paints, stains and enamels represent the largest increase, (57 per cent) with chemical pigments, second, (48 per cent), varnishes following with 37 per cent, and mineral earth pigments, last, (12 per cent). The only decline occurring in the individual items was in white and sublimed lead which fell from 5,407,031 pounds, valued at \$395,798, in the first half of 1922, to 4,261,554 pounds, valued at \$359,104 in the first half of 1923.

ALGERIA'S CHEMICAL TRADE GROWS

Imports of chemicals at Algiers, Algeria, for 1921 and 1922, according to American Consul Edward A. Dow, are as follows:

Metric tons	1921		1922	
	Value in thousand francs	Tons	Values	
Acids, Muriatic	123	22	172	30
Sulfuric	126	25	295	57
Tartaric	144	1,263	230	1,996
Nitrates of calcium and calcium cyanamide	446	421	1,547	1,401
Sulfate of copper	3,075	4,004	8,462	11,331
Superphosphates	6,711	1,184	10,662	1,919
Chemical fertilizers	868	628	3,098	966
Salts of potassium	560	516	1,996	1,301
Salts of sodium	4,188	1,691	6,122	2,829
Varnishes	143	1,153	283	2,301
Ink, writing and printing	129	399	204	766
Medicine compounds	346	5,821	555	8,847

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\$10,000 TO INVEST—I am prepared to invest up to \$10,000 for the manufacture or importation of pharmaceutical or industrial chemical products possessing genuine and exceptional merit; preference given to those of a semi or non-competitive character; all communications will be held strictly confidential. Box 395, **DRUG & CHEMICAL MARKETS**.

SPANISH HOUSE desires to connect with American concerns exporting specific drugs, proprietaries, pharmaceuticals, etc. Send price lists, descriptive booklets to Box 376, **DRUG & CHEMICAL MARKETS**.

SELLING AGENTS desiring to get in touch with manufacturers and manufacturers desiring to get in touch with selling agents—try a want ad on these pages. **DRUG & CHEMICAL MARKETS** is read all over the world.

BUSINESS OPPORTUNITIES

ESTABLISHED TOILET GOODS BUSINESS founded in 1878. Permit for 200 barrels De-natured Alcohol for sale. Full details and information will be furnished to inquirers who desire to make an appointment to visit plant. Box 387, **DRUG & CHEMICAL MARKETS**.

IF YOU MANUFACTURE Products used in the paint, varnish, printing ink, paper, rubber, soap or other industries, and which could be distributed in the State of Ohio, Address Box 389, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

PRACTICAL DYEING MAN—With ten years experience in a commercial dye house, in the purchasing office, stores and supply department, seeks position in the textile industry, or as a salesman of dyestuffs. Box 398, **DRUG & CHEMICAL MARKETS**.

EXPERIENCED CHEMIST desires permanent position. Analytical and research work, rubber, oils, dyes, etc. Will go anywhere. Speaks Spanish well. Single, aged 38. Box 386, **DRUG & CHEMICAL MARKETS**.

RESPONSIBLE POSITION required. Conversant with Heavy, Technical and Pharmaceutical chemicals. Am competent in Accounting, Credits, Purchasing and Selling. Box 385, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

AMERICAN CHEMIST with seven years experience in coal-tar intermediates, dyestuffs and rubber accelerators; capable of conducting research and experienced in plant management is open for an engagement with an established firm that has an opening and that offers a real opportunity for ability and hard work. Box 378, **DRUG & CHEMICAL MARKETS**.

CONSULTING ENGINEER, TECHNICAL expert, commercially trained, with executive ability and organizing talent, age 46, desires connection for position of responsibility. Box 401, **DRUG & CHEMICAL MARKETS**.

HELP WANTED

SALESMAN—Synthetic flower oils and compounds for soap and perfumery manufacturers. State experience, salary and commission expected. D. P. Co., 3 Horatio Street, New York City.

SALESMAN—Experienced, who has called on the trade in the mid-west, such as paint and varnish manufacturers, textile, tanning and rubber industries. All replies will be confidential. This is steady road work and an exceptional proposition can be made to a man who can show results. Please state age, salary desired and other necessary details. Box 400, **DRUG & CHEMICAL MARKETS**.

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Chemical firm of high standing, located in New York City, having met with marked success in selling chemical specialties, desires to enlarge scope by representing **MANUFACTURERS OF INDUSTRIAL CHEMICALS OR SPECIALTIES** who wish to increase their sales. Trade and banking references of the first order will be given. Address this paper.

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 10—Gordon Tray and Truck Dryers.
 3—Bronze Drum Dryers.
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WANTED—For position of Purchasing Agent, a chemist or engineer by large chemical manufacturing corporation in East. Preference given to experienced man. State age, training, experience, references and salary expected. Box 399, DRUG & CHEMICAL MARKETS.

SALESMAN—Experienced Pharmaceutical and Specialty man for old established and progressive house to cover part of Massachusetts, calling upon retail trade, doctors and hospitals. Salary and Commission. Give references and say how soon available. Box 373, DRUG & CHEMICAL MARKETS.

COAL TAR PRODUCTS—Young man thoroughly familiar with the sale of Basic Coal Tar products required by old established Chemical House. State full details covering qualifications, experience and remuneration desired. Box 388, DRUG & CHEMICAL MARKETS.

WANTED TABLET COATER—Man experienced in coating medicinal tablets. Give full particulars in first letter. Robert McNeil, 2351 N. Reese St., Philadelphia.

DRUGS & CHEMICALS

WE WILL PAY cash for surplus stocks of chemicals, drugs and oils. What have you to offer? Coburn Trading Corp., 295 Pearl st., New York City.

WANTED odd lots and surplus stocks of pharmaceuticals, hospital supplies, patent medicines. Send description and price. Pay cash. Box 404, DRUG & CHEMICAL MARKETS.

OFFER—Barrel (470 lbs.) White Arsenic; for quick buy 11½¢ lb. 100 lb. lots 15¢. Vogel, Madriver St., Dayton, Ohio.

FOR SALE—Odd lots and surplus stocks of Drugs, Chemicals, Pharmaceuticals, Toilet Preparations and miscellaneous items. Box 377, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED—Two 72 Bottle Motor driven used Kiefer washing machines in first class condition and near New York City. Box 406, DRUG & CHEMICAL MARKETS.

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PLANT EQUIPMENT

FOR SALE—2—4' x 23' Hot Air Sugar Driers, manufactured by the Hersey Mfg. Company, South Boston, Mass. ¾" Steel Plate Shell, complete with rollers, rings, spur gear drive, floor stand and counter shaft, with 30 x 6" T & L Pulleys. Pitch of driers ½" per foot. Drier fitted with A. B. C. Belt Driven Propeller Type Fan, with 30 x 8" Pulley. Also heater consisting of 4—4" x 4' 6" four row sections, equivalent to 1,620 Lineal Feet 1" pipe in each heater. Equipment in first class condition, used less than 90 days. Box 405, DRUG & CHEMICAL MARKETS.

FOR SALE—Used machinery, all in A-1 condition. 2 "N" Stokes Tablet Machines; 1 No. 2 J H Day Ointment Mill; 1 J H Day Mixer; 1 22" Burkhard Copper Jacketed Steam Kettle with standards. Box 397, DRUG & CHEMICAL MARKETS.

MISCELLANEOUS

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

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For full particulars as to products and addresses see Index of Advertisers on the page following.

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Battelle & Renwick	A. Klipstein & Co.
Chilean Nitrate Committee	Chas. Lennig & Co., Inc.
Church & Dwight	Meteor Products Co.
The Cleveland-Cliffs Iron Co.	Mathieson Alkali Works Inc.
Contact Process Co.	The Miner-Edgar Co.
Chas. Cooper & Co.	Monsanto Chemical Works,
Diamond Alkali Co.	Clarence Morgan & Co.
The Dow Chemical Co.	Orelite Co., Inc.
E. I. du Pont de Nemours & Co.	Henry W. Peabody & Co.
Ellis Jackson & Co.	Nichols Copper Co.
B. G. Feinberg	Pfaltz & Bauer
General Chemical Co.	Roessler & Hasslacher Chem.
Grasselli Chemical Co.	Seaboard Chemical Co.
W. F. George Chemicals, Inc.	Semet Solvay Co.
Wm. S. Gray & Co.	E. M. Sergeant Co.
R. W. Greeff & Co.	Solvay Process Co.
Harshaw, Fuller & Goodwin Co.	Thorkildsen-Mather Co.
Hans Hinrichs Chem. Corp.	Victor Chemical Works
Edward Hill's Son & Co.	The Warner Chemical Co.
T. C. Hoelzer Co.	Wilkes-Martin-Wilkes Co.
Industrial Chemical Co.	Isaac Winkler & Bro. Co.
International Salt Co.	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Herm. Madoery
Baird & McGuire	Magnus, Mabec & Reynard, Inc.
J. T. Baker Chemical Co.	Mallinckrodt Chemical Works
David Berg Industrial Alcohol Co.	Mathieson Alkali Wks., Inc.
Carbide & Carbon Chem. Corp.	May & Baker
Antoine Chiris Co.	Meteor Products Co.
Commonwealth Chemical Corp.	H. A. Metz & Co.
Charles Cooper & Co.	The Miner-Edgar Co.
Darco Sales Corp.	Monsanto Chemical Works
J. E. Dockendorff & Co.	Clarence Morgan & Co.
The Dow Chemical Co.	N. Y. Quinine & Chem. Works
Eastman Kodak Co.	Perth Amboy Chem. Wks.
Electro Bleaching Gas Co.	Pfaltz & Bauer
B. G. Feinberg	Powers-Weightman-Rosengarten
E. Fougere & Co.	Roessler & Hasslacher Chem. Co.
William S. Gray & Co.	Rhodia Chem. Co.
Harshaw, Fuller & Goodwin Co.	C. P. Schlicke
Hans Hinrichs Chem. Corp.	Thorkildsen-Mather Co.
T. C. Hoelzer Co.	Geo. Uhe
Hoffman-La Roche Chem. Wks.	Ungerer & Co.
Industrial Chemical Co.	U. S. Industrial Chemical Co.
Jayne & Sidebottom, Inc.	Victor Chemical Works
A. Klipstein & Co.	Victor & Hosken
	Wilkes-Martin-Wilkes Co.

DYESTUFFS

Calco Chemical Co.	Grasselli Chemical Co.
Dow Chemical Co.	H. A. Metz & Co.
Dye Products & Chem. Co.	National Aniline & Chemical Co.
Essex Aniline Works	Newport Chemical Works
E. I. du Pont de Nemours & Co.	Pharma-Chemical Corp.
Ellis Jackson & Co.	Southern Dyestuffs Co.
A. Klipstein & Co.	Jacques Wolf & Co.
Gary Chem. Co.	

COAL TAR PRODUCTS

Abbott Laboratories	Jordan Coal Tar Products Co.
Baird & McGuire	A. Klipstein & Co.
The Barrett Co.	H. A. Metz & Company
Calco Chemical Co.	Monsanto Chemical Works
Chatfield Mfg. Co.	National Aniline & Chemical Co.
Essex Aniline Works	Newport Chemical Works
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ESSENTIAL OILS

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Belgian Trading Co.	Morana, Incorporated
W. J. Bush & Co.	Clarence Morgan & Co.
Antoine Chiris Co.	Pfaltz & Bauer, Inc.
Delphi Products, Inc.	Geo. Uhe
J. E. Dockendorff & Co.	Ungerer & Co.
Fritzsche Bros.	Victor & Hosken

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M. L. Barrett & Co.	H. R. Lathrop & Co.
W. J. Bush & Co.	Magnus, Mabec & Reynard, Inc.
Hoffman-La Roche Chem. Wks.	

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Buffalo Foundry & Machine Co.	Nashville Industrial Corp.
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Para Nitro Toluol

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Meta Phenylene Diamine

Meta Toluylene Diamine



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ETHER, U. S. P.	MONACETIN
ETHYL ACETATE	NORMAL PROPYL ALCOHOL
ETHYL ACETO-ACETATE	POTASH SALTS
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